

SITE INFORMATION

Closure Report Lea Unit #044H & #045H Lea County, New Mexico Unit M Sec 01 T20S R34E 32.596628°, -103.520177°

Prepared for: Coterra Energy Operating Co. 6001 Deauville Blvd.

Suite 300N Midland, Texas 79706

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

CARMONA RESOURCES



Incident ID: NRM2024760291
Crude Oil Release

Point of Release: Stuffing box failed Release Date: 08.17.2020

Volume Released: 15 Barrels of Crude Oil Volume Recovered: 0 Barrels of Crude Oil

Incident ID: NCH1903249514 Crude Oil Release

Point of Release: Stuffing box blowout

Release Date: 12.05.2018

Volume Released: 42 Barrels of Crude Oil Volume Recovered: 30 Barrels of Crude Oil



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITES

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHI	FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHI
---------------------------------------	----------	----------	----------	------------

FIGURE 3 SAMPLE LOCATION FIGURE 4 EXCAVATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



September 8, 2025

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

Re: Closure Report

Lea Unit 44H & 45H

Incident ID: NRM2024760291 & NCH1903249514

Coterra Energy Operating Co.

Site Location: Unit M, S01, T20S, R34E (Lat 32.596628°, Long -103.520177°)

Lea County, New Mexico

To whom it may concern:

On behalf of Coterra Energy Operating Co. (Coterra), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities for the Lea Unit 44H & 45H release. The site is located at 32.596628°, -103.520177° within Unit M, S01, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

NRM2024760291

Based on the Initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 17, 2020, due to the stuffing box failing at the well head. It resulted in approximately forty-two (42) barrels of crude oil being released, with approximately thirty (30) barrels of crude oil recovered. The spill boundaries are shown in Figure 3. The Initial C-141 form is attached in Appendix C.

NCH1903249514

Based on information obtained from the NMOCD, the release was discovered on December 5, 2018, due to a blowout at the stuffing box. It resulted in approximately fifteen (15) barrels of crude oil being released, with zero (0) barrels of crude oil recovered. The spill boundaries are shown in Figure 3. The information obtained from the NMOCD is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. On September 3, 2025, H&R Enterprises was onsite to drill a groundwater determination bore to 105 feet below ground surface (ft. bgs) within a 0.50-mile radius of the location. The groundwater determination bore is located approximately 0.30 miles South of the site within S12, T20S, R34E (32.592222°, -103.519306°). No water was detected after 72 hours. A copy of the associated well log is attached in Appendix D.



3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing and remediating 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 Site Assessment Activities

Initial Assessment

On May 13, 2025, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) were installed to total depths ranging from surface to 9.0 ft bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in all areas. Refer to Table 1. All samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on June 2, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 1.5' bgs. A total of two (2) confirmation floor samples were collected (CS-1 and CS-2), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. Additionally, seven (7) horizontal samples (H-1 through H-7) were collected to further define the spill area. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

Horizontal Delineation

Horizontal delineation was achieved in all areas. Refer to Table 1. All samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 2.



Before the excavation was backfilled, a composite sample of the backfill material was collected on June 9, 2025, to ensure the material was clean per NMOCD standards. The backfill material was sourced from a nearby stockpile located at 32.597024°, -103.519570°. Refer to Table 2. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 400 square feet of contamination was remediated, resulting in 25 cubic yards of material excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Coterra formally requests the closure of the spill. Coterra is requesting this incident to be closed for all aspects of 19.15.29.12 & 13. The entire area will be reclaimed and revegetated during normal P/A activities per NMAC 19.15.29.13. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

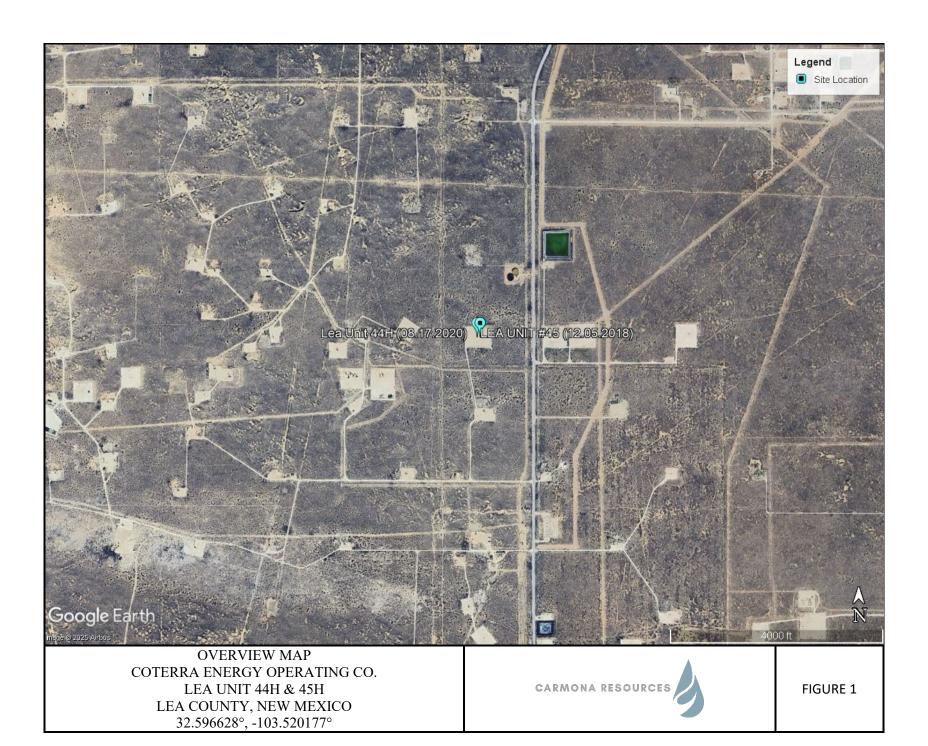
Ashton Thielke

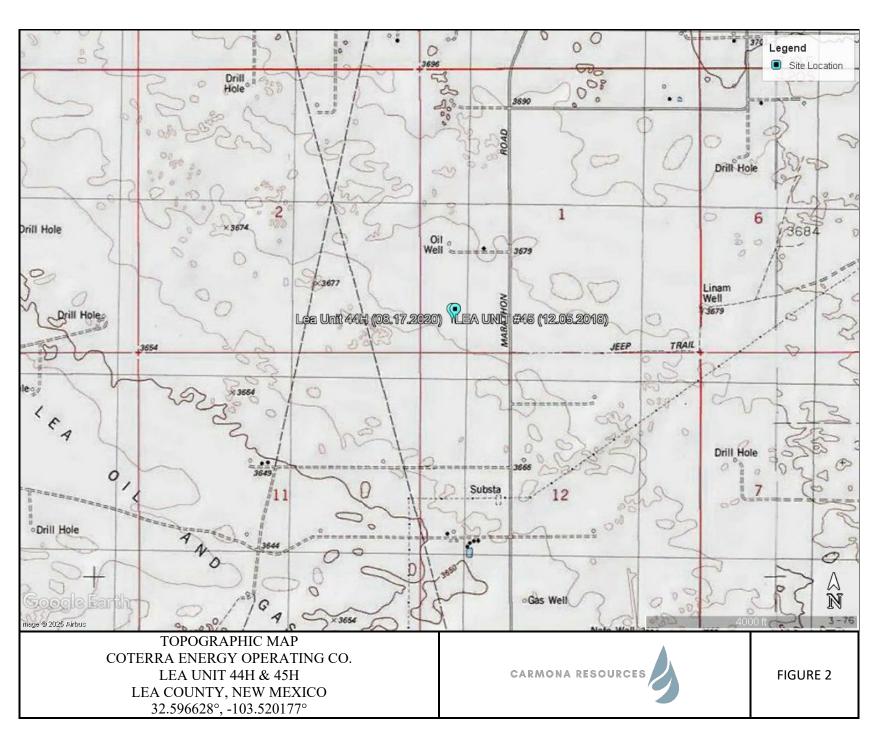
Environmental Manager

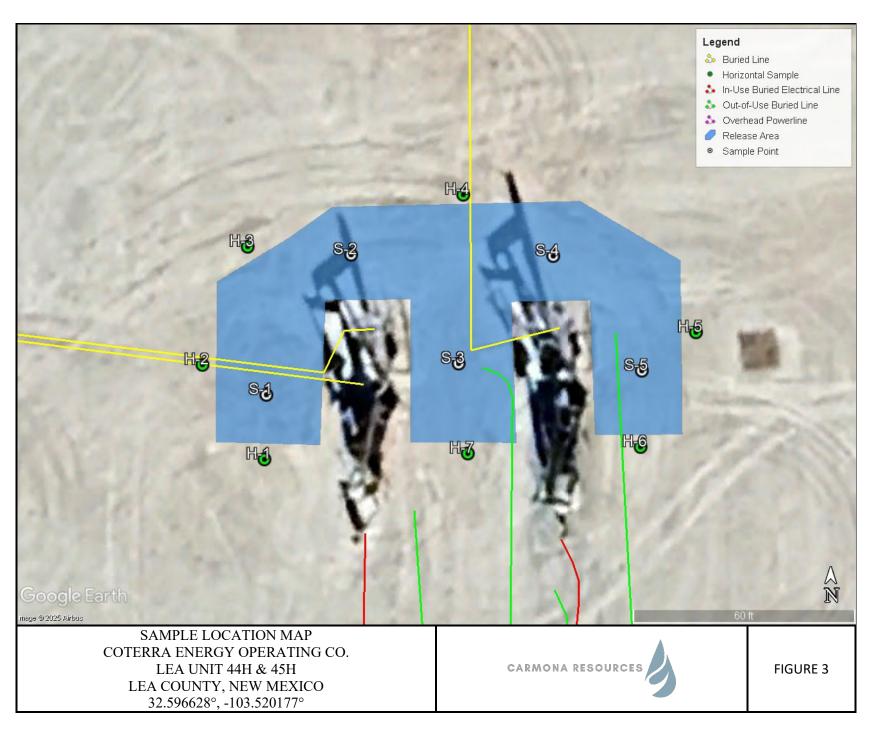
Gilbert Priego Project Manager

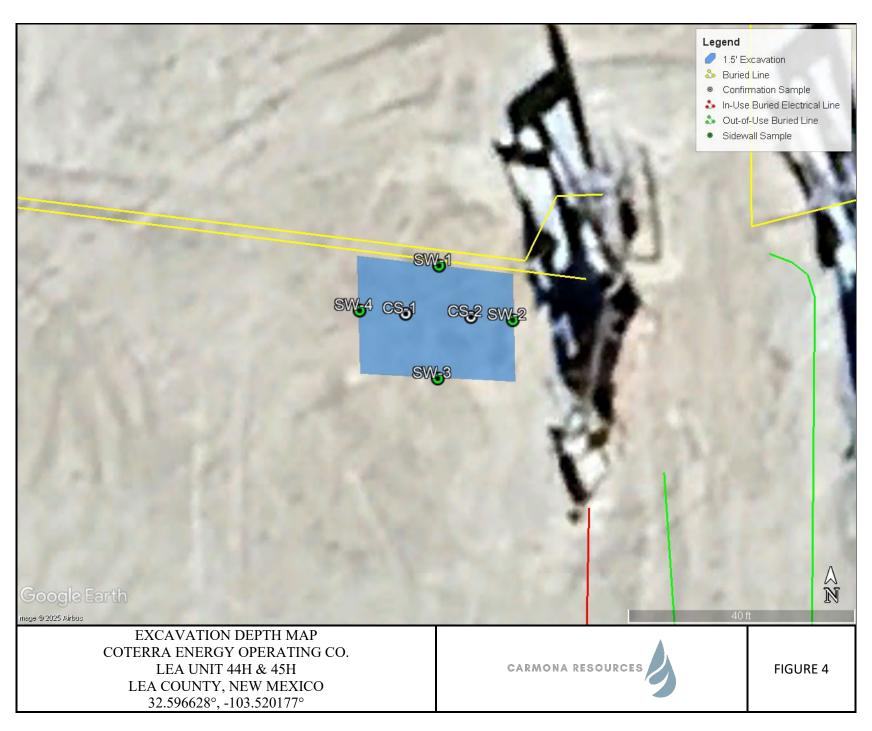
FIGURES

CARMONA RESOURCES









APPENDIX A

CARMONA RESOURCES

Table 1
Coterra Energy Operating Co.
Lea Unit 44H (08.17.2020) & Lea Unit #45 (12.05.2018)
Lea County, New Mexico

0	Dete	D - 114 (54)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
	5/13/2025	0-1.0'	<50.0	1,160	<50.0	1,160	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	399
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	359
S-1	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	432
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	995
	"	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,320
	5/13/2025	0-1.0'	<50.3	100	<50.3	100	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,910
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,290
	"	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,470
	"	3.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,510
S-2	"	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,010
5-2	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	291
	"	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	193
	"	7.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	373
	"	8.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	296
	"	9.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	158
	5/13/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,530
	"	1.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	946
S-3	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,820
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,680
	"	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	176
	5/13/2025	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	648
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	648
S-4	"	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	224
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	92.5
	"	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.7
	5/13/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	441
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	235
S-5	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	222
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	204
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	137
Regulato	ry Criteria ^A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet

S - Soil Sample

Removed

Table 1
Coterra Energy Operating Co.
Lea Unit 44H (08.17.2020) & Lea Unit #45 (12.05.2018)
Lea County, New Mexico

0	Dete	Davids (54)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
H-1	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
H-2	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
H-3	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-4	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
H-5	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
H-6	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
H-7	6/5/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulato	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (H) - Horizontal Sample

Table 2
Coterra Energy Operating Co.
Lea Unit 44H (08.17.2020) & Lea Unit #45 (12.05.2018)
Lea County, New Mexico

0 1 15		B (1 (6)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
CS-1	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-1	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	6/5/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Backfill	6/9/2025	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00399	87.0
Regulato	ry Criteria ^A		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

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

Coterra Energy Operating Co.

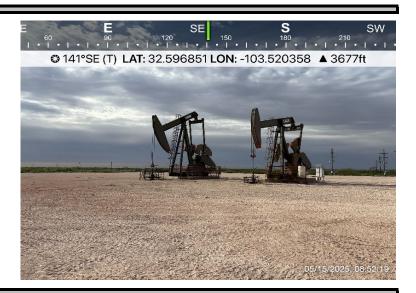
Photograph No. 1

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View Southeast, area of S-1 through S-5.



Photograph No. 2

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View South, area of S-1 through S-5.



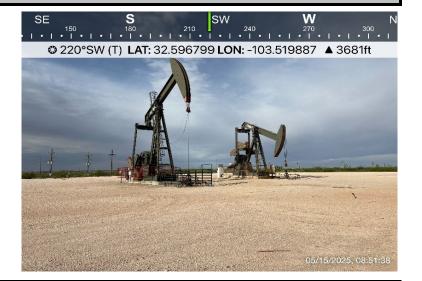
Photograph No. 3

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View Southwest, area of S-1 through S-5.





PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 4

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View West, area of CS-1 and CS-2.



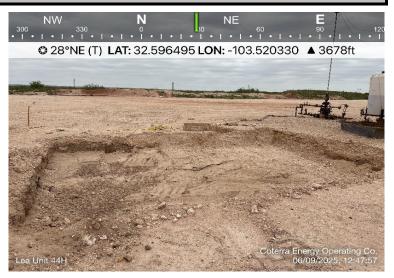
Photograph No. 5

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 and CS-2.



Photograph No. 6

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View South, area of CS-1 and CS-2.





PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 7

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View North, area of CS-1 and CS-2 backfilled. Soil was damp from recent rains.



Photograph No. 8

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View Northeast, area of CS-1 and CS-2 backfilled. Soil was damp from recent rains.



Photograph No. 9

Facility: Lea Unit 44H & 45H

County: Lea County, New Mexico

Description:

View Northwest, area of CS-1 and CS-2 backfilled. Soil was damp from recent rains.





APPENDIX C

CARMONA RESOURCES

Received by OCD: 9/10/2025 9:57:30 AM

| District I | 1625 N. French Dr., Hobbs, NM 99244 District I 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 District III District IV 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Responsible Party Legacy Reserves

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	NRM2024760291
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID

atitude 32.5	06628		Locatio	n of Release	Source e -103.520177	
atriage 52.5	70020		(NAD 83 in	decimal degrees to 5 de		
Site Name Le	a Fed Unit	₩44H		Site Typ	e Well Pad	
Date Release	Discovered	8-17-20		API# (if	applicable)	
Unit Letter	Section	Township	Range	Co	ounty	
M	01	T20s	34E	Lea		
⊠ Crude Oil □ Produced		Volume Release	all that apply and atta ed (bbls) 42	nd Volume o	Volume Recovered (bbls) Volume Recovered (bbls)	
Produced	Water	Volume Release Volume Release Is the concentrate produced water	all that apply and atta ed (bbls) 42 ed (bbls) attion of dissolved >10,000 mg/l?	nch calculations or spec	Volume Recovered (bbls) 30 Volume Recovered (bbls) 30 Volume Recovered (bbls)	
Produced Condensa	Water	Volume Release Volume Release Is the concentrate produced water Volume Release	all that apply and atta ed (bbls) 42 ed (bbls) ation of dissolved >10,000 mg/l? ed (bbls)	nch calculations or spec	Volume Recovered (bbls)	
Produced Condensa Natural G	Water te	Volume Release Volume Release Is the concentrate produced water Volume Release Volume Release	all that apply and atta ed (bbls) 42 ed (bbls) attion of dissolved >10,000 mg/l? ed (bbls) ed (Mcf)	ch calculations or spec	Volume Recovered (bbls) Volume Recovered (Mcf)	
☐ Condensa	Water te	Volume Release Volume Release Is the concentrate produced water Volume Release Volume Release	all that apply and atta ed (bbls) 42 ed (bbls) ation of dissolved >10,000 mg/l? ed (bbls)	ch calculations or spec	Volume Recovered (bbls)	e units)

Page 2

State of New Mexico Oil Conservation Division

Incident ID	NRM2024760291
District RP	
Facility ID	
Application ID	

release as defined by	More than 25 barrels released.
19.15.29.7(A) NMAC?	
⊠ Yes □ No	
If YES was immediate n	notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	(Artesia office) 11:00 AM 8-17-20, Phone.
	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 rele	ease has been stopped.
-	as been secured to protect human health and the environment.
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	recoverable materials have been removed and managed appropriately.
has begun, please attach within a lined containment	AC the responsible party may commence remediation immediately after discovery of a release. If rem a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
has begun, please attach within a lined containment I hereby certify that the inforegulations all operators are public health or the environs failed to adequately investig addition, OCD acceptance of	a narrative of actions to date. If remedial efforts have been successfully completed or if the release
has begun, please attach within a lined containment of the line of	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. To remain given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may ement. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local
has begun, please attach within a lined containment of the line of	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. Transition given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may expend the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
has begun, please attach within a lined containment of the line of	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. To remain given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may ement. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local
has begun, please attach within a lined containment of the line of	a narrative of actions to date. If remedial efforts have been successfully completed or if the release not area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. Tornation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may experience. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local contamination. Title: Maintenance to Tornance
has begun, please attach within a lined containment of the containment	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. The acceptance of a Complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may expend the acceptance of a Complete to the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a Complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of the complete to the complete to the operator of the complete to the comple
has begun, please attach within a lined containment of the containment	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. The acceptance of a Complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may expend the acceptance of a Complete to the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a Complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of the complete to the complete to the operator of the complete to the comple
has begun, please attach within a lined containment of the containment	a narrative of actions to date. If remedial efforts have been successfully completed or if the release nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. The acceptance of a Complete to the best of my knowledge and understand that pursuant to OCD rules required to report and/or file certain release notifications and perform corrective actions for releases which may expend the acceptance of a Complete to the OCD does not relieve the operator of liability should their operation gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment of a Complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of responsibility for compliance with any other federal, state, or local to the complete to the operator of the complete to the complete to the operator of the complete to the comple

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 469781

QUESTIONS

ı	Operator:	OGRID:
ı	Avant Operating, LLC	330396
ı	6001 Deauville Blvd	Action Number:
ı	Midland, TX 79706	469781
ı		Action Type:
ı		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2024760291
Incident Name	NRM2024760291 LEA FED UNIT #44H @ 30-025-42885
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42885] LEA UNIT #044H

Location of Release Source	
Site Name	LEA FED UNIT #44H
Date Release Discovered	08/17/2020
Surface Owner	Private

Sampling Event General Information					
Please answer all the questions in this group.					
What is the sampling surface area in square feet	457				
What is the estimated number of samples that will be gathered	5				
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2025				
Time sampling will commence	08:00 AM				
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988				
Please provide any information necessary for navigation to sampling site	(32.596628,-103.520177) Carmona Resources will be onsite to collect final composite confirmation floor and sidewall samples. Sampling will begin on 06.04.2025 and continue into 06.05.2025				

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 469781

CONDITIONS

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	469781
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Crea	ted By		Condition Date
ath	ielke	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.	6/2/2025

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Incidents Incident Details

NCH1903249514 LEA UNIT #45 @ 30-025-43143

General Incident II	nformatio	n								Quick Links
									•	General Incident Inform
Site Name:	LEA UNI	T #45							•	Materials
Well:	[30-025-4	<u>13143</u>] LEA UN	IT #045H							<u>Events</u>
Facility:									•	<u>Orders</u>
Operator:	[330396]	Avant Operatin	ng, LLC						•	Action Status %
Status:	Initial C-1	141 Approved, F	Pending sub	mission of Site	Characterization / I	Remediation Plan OR R	emediation Closure Repo	ort from the operator		Associated Images
Type:	Oil Relea	ise				Severity:	Minor			Incident Files (3)
						Surface Owner:	Private			Well Files (17)
District:	Hobbs					County:	Lea (25)			Well Files (17)
										New Searches
Incident Location:	M-01-208	S-34E 0 FNL	0 FEL							New Facility Search %
Lat/Long:	32.59663	3,-103.520101 N	NAD83							New Incident Search &
Directions:										New Operator Search ♥
										New Pit Search %
										New Spill Search %
Notes										New Tank Search %
										New Well Search %
Source of Referral:	Industry	Rep				Action / Escalation:				
Resulted In Fire:						Resulted In Injury:				
Endangered Public H	lealth:					Will or Has Reached	Watercourse:			
Fresh Water Contami	ination:					Property Or Environ	mental Damage:			
									_	
Contact Details										
Contact Details										
Contact Name:	Brian Cu	nningham				Contact Title:	Production Foreman			
									4	
Event Dates										
Data of Discovery			12/05/2018			Initial C 444 Banant	Due	12/20/2018		
Date of Discovery:			12/05/2010			Initial C-141 Report	Due:	12/20/2016		
						Damadiation Olasson	- D	02/05/0040		
						Remediation Closur	e Report Due:	03/05/2019		
Incident Dates										
incluent Dates										
Type	Action	Received	Denied	Approved						
.,,,,,,	,									
Sampling Notice	[469791]	06/02/2025		06/02/2025						
		-5/52/2520		-5/52/2520						
Sampling Notice	[468985]	05/29/2025		05/29/2025						
, , , , , , ,										
Sampling Notice	[459414]	05/06/2025		05/06/2025						
, , , , , ,										
Initial C-141 Report		12/14/2018		12/14/2018						

SIGN-IN HELP

Searches Operator Data **Hearing Fee Application** Incident Materials Volume Cause Source Material Units Unk. Released Recovered Lost 15 Equipment Failure Well Crude Oil 15 0 BBI The concentration of dissolved chloride in the produced water >10,000 mg/l: Incident Events Date Detail 06/02/2025 The (06/02/2025, C-141N) application [469791] was assigned to this incident. 05/29/2025 The (05/29/2025, C-141N) application [468985] was assigned to this incident. 05/06/2025 The (05/06/2025, C-141N) application $\underline{[459414]}$ was assigned to this incident. 12/05/2018 The release was caused due to a stuffing box blowout. Incident Severity Major release as defined by 19.15.29.7(A) NMAC? Yes No Incident Corrective Actions No initial response data was found for this incident. No site characterization data was found for this incident No remediation plan data was found for this incident. No active remediation deferral request was found for this incident. No remediation closure report data was found for this incident. No reclamation report data was found for this incident. No re-vegetation report data was found for this incident. Orders ō. 1RP-5305-0 Applicant: [240974] LEGACY RESERVES OPERATING, LP Contact: Brian Cunningham Approved By: Christina Hernandez Issuing Office: Reviewer: Hobbs **Processing Dates**

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

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 469791

QUESTIONS

ı	Operator:	OGRID:
ı	Avant Operating, LLC	330396
ı	6001 Deauville Blvd	Action Number:
ı	Midland, TX 79706	469791
ı		Action Type:
ı		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nCH1903249514
Incident Name	NCH1903249514 LEA UNIT #45 @ 30-025-43143
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43143] LEA UNIT #045H

Location of Release Source	
Site Name	LEA UNIT #45
Date Release Discovered	12/05/2018
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	457
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.596628,-103.520177) Carmona Resources will be onsite to collect final composite confirmation floor and sidewall samples. Sampling will begin on 06.04.2025 and continue into 06.05.2025

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 469791

CONDITIONS

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	469791
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

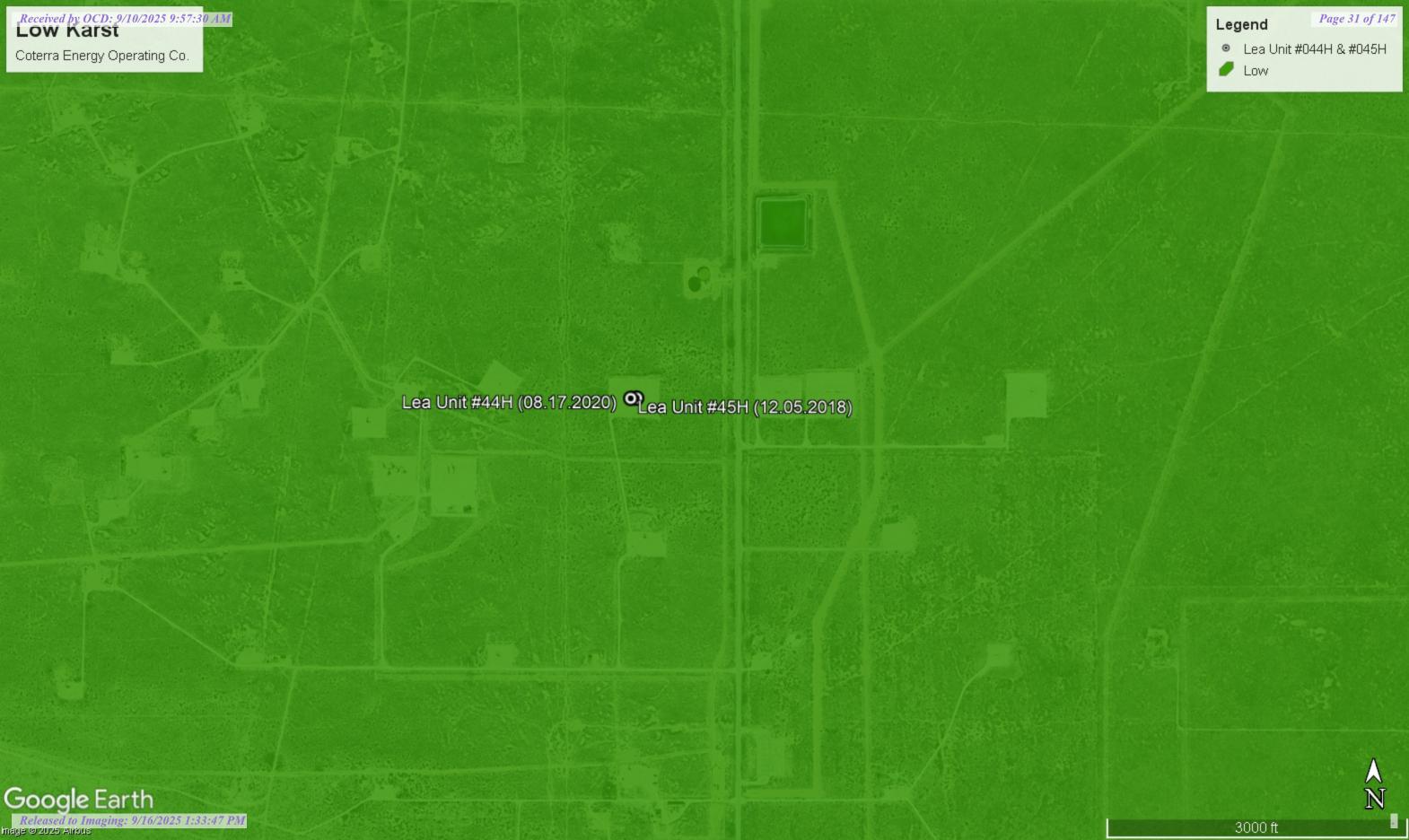
CONDITIONS

C	reated By	Condition	Condition Date
	athielke	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.	6/2/2025

APPENDIX D

CARMONA RESOURCES







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.)

POD Number

CP 00654 POD1

CP 01672 POD1

CP 00655 POD1

CP 00683 POD1

CP 00656 POD1

CP 00800 POD1

L 04157

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

Code

Sub

L

CP

CP

CP

CP

CP

CP

basin County

LE

LE

LE

LE

LE

LE

LE

SW

SE

NE

SW

SE

NE

SE 25

SE

NE 22

04

19S 34E

20S 34E

20S 34E

(quarters are

	smalle larges									(meters)		(In feet)	
y	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth	Depth Water	
		SW	SW	06	20S	35E	640483.0	3607561.0 *	•	1599	70	64	6
		SE	SE	12	20S	34E	640103.0	3605947.0 *	•	1990	60		
	NW	SW	NW	36	19S	34E	638735.9	3610009.6	•	2494	100		
		SW	NW	14	20S	34E	637294.0	3605108.0 *	•	2888	210		

639530.0 3610685.0 * •

635342.0 3607391.0 * •

637007.0 3603994.0 * •

Average Depth to Water: 46 feet

120

225

220

3230

3544

3994

Minimum Depth: 28 feet

28

92

Maximum Depth: 64 feet

Record Count: 7

UTM Filters (in meters):

Easting: 638884.00 **Northing:** 3607520.00

Radius: 4000

* UTM location was derived from PLSS - see Help

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



OSE POD NO. (V	VELL NO.)			WELL TAG ID NO.			OSE FILE NO(S CP-2083	5).			
WELL OWNER	. ,						PHONE (OPTIO	ONAL)			
Coterra Energ				_							
WELL OWNER 840 Gessner							Houston		STATE TX	77024-4	ZIP 152
WELL LOCATION	LAT	DE	GREES 32	MINUTES 35	SECON 32.		* ACCURACY	REQUIRED: ONE TEN	TH OF A S	SECOND	
(FROM GPS)	LON	IGITUDE	103	31	9.5	5 W	* DATUM REG	QUIRED: WGS 84			
Pod 1 WELL OWNER NAME(S) Coterra Energy WELL OWNER MAILING ADDRESS 840 Gessner Rd. Ste. 1400 WELL LOCATION (FROM GPS) LATITUDE LONGITUDE DEGREES MINUTES 32 35 32.0 N *ACCURACY REQUIRED: ONE TENTH OF A SECOND *DATUM REQUIRED: WGS 84 DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIIP, RANGE) WHERE AVAILABLE Section 12 Township 20s Range 34e. West of 27-A (Marathon Rd.)											
LICENSE NO. WD-186	52	NAME OF LICENSED	DRILLER	James Hawley			6	NAME OF WELL DR H&F		OMPANY rises, LLC	
DRILLING STA 9-3-25	00000000000	DRILLING ENDED 9-3-25	DEPTH OF CO	MPLETED WELL (F)	Γ)		LE DEPTH (FT) 105'	DEPTH WATER FIR	ST ENCOU		
COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOL	E SHALLO	W (UNCO	NFINED)		STATIC WATER LEV	VEL IN CO N/A		LL (FT
DRILLING FLU	ID:	✓ AIR	MUD	ADDITIV	ES – SPEC	CIFY:					
DRILLING FLUID:											
DEPTH (feet bgl) FROM TO		BORE HOLE	DIAM		GRADE		ASING NECTION			SING WALL THICKNESS	SL SI
0	105'	(inches)	note	each casing string, sections of screen) casing left in hole)		TYPE ling diameter)	(inches)	(i	inches)	(inc
	100		1,0							44	
			7								
							- 19				
DEPTH (fe	et bgl)	BORE HOLE	1	ST ANNULAR SI				AMOUNT		МЕТНО	
FROM	ТО	DIAM. (inches)	GRA	VEL PACK SIZE	R-RANGE N/A	BY INTI	ERVAL	(cubic feet)		PLACEN	MENT
						e e					
R OSE INTERN	AL USE				-		WR-2	0 WELL RECORD	& LOG	(Version 04/3	30/19)

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION

	DEPTH (fe	eet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED YIELD FOR
	FROM	ТО	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)
	0'	5'	5'	Sandy Caliche	Y ✓N	
	5'	10'	5'	Sand	Y ✓N	
	10'	20'	10'	Caliche	Y ✓N	
	20'	45'	25'	Sand	y ✓N	
	45'	50'	5'	Caliche	Y ✓N	
J	50'	60'	10'	Sandy Red Clay	Y ✓ N	
VEL	60'	105'	45'	Red Clay	Y ✓N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
90					Y N	
CL					Y N	
100 F					Y N	
EOL					Y N	
500					Y N	
XD					Y N	
4. H					Y N	
-					Y N	
					Y N	
-					Y N	
			2.5		Y N	
					Y N	
					Y N	
	METHOD U	JSED TO E	STIMATE YIELI	O OF WATER-BEARING STRATA:	TOTAL ESTIMATED WELL YIELD (gpm):	0.00
			_		WELL TIELD (gpin).	0.00
	PUM	IP .	_	BAILER OTHER - SPECIFY: dry hole		
NO	PUM WELL TES	IP .		BAILER OTHER - SPECIFY: dry hole FACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC. IME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV.	CLUDING DISCHARGE	METHOD,
RIG SUPERVISION	WELL TES	TES' STA	T RESULTS - AT' RT TIME, END T NFORMATION: I V	TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV. Depth to groundwater bore was gauged for water on 9-8-25. DTGW was removed, bore hole was backfilled with drill cuttings to 10' BGS soured from 10' BGS to surface. Lea Unit Fed #21	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora . Hydrated bentonite h	METHOD, OD. ary well casing ole plug was
ST; RIG SUPERVISION	WELL TES	TES' STA	T RESULTS - AT' RT TIME, END T NFORMATION: I V	TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV. Depth to groundwater bore was gauged for water on 9-8-25. DTGW was removed, bore hole was backfilled with drill cuttings to 10' BGS soured from 10' BGS to surface. Lea Unit Fed #21	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora . Hydrated bentonite h	METHOD, OD. ary well casing ole plug was
5. TEST; RIG SUPERVISION	WELL TES MISCELLA PRINT NA Nathan Sm	TES' STA ANEOUS IN ME(S) OF	I RESULTS - AT' RT TIME, END T NFORMATION: I V F DRILL RIG SUP	TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV. Depth to groundwater bore was gauged for water on 9-8-25. DTGW was removed, bore hole was backfilled with drill cuttings to 10' BGS soured from 10' BGS to surface. Lea Unit Fed #21 ERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h	METHOD, OD. ary well casing ole plug was
5. TEST; RIG SUPERVISIO	WELL TES MISCELLA PRINT NA Nathan Sn	TES' STA ANEOUS IN ME(S) OF	T RESULTS - AT' RT TIME, END T NFORMATION: I V F DRILL RIG SUPI	TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV. Depth to groundwater bore was gauged for water on 9-8-25. DTGW was removed, bore hole was backfilled with drill cuttings to 10' BGS soured from 10' BGS to surface. Lea Unit Fed #21	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h	METHOD, OD. ary well casing ole plug was THAN LICENSEE AND CORRECT
5. TEST; RIG SUPERVISIO	WELL TES MISCELLA PRINT NA Nathan Sn	TES' STA ANEOUS IN ME(S) OF	T RESULTS - AT' RT TIME, END T NFORMATION: I V F DRILL RIG SUPI	CHAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR INC. INC. INC. INC. INC. INC. INC. INC.	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h	METHOD, OD. ary well casing ole plug was THAN LICENSEE AND CORRECT
TEST; RIG SUPERVISIO	WELL TES MISCELLA PRINT NA Nathan Sn	TES' STA ANEOUS IN ME(S) OF melcer ING BELO OF THE AL CORD WILL OF THE AL CORD W	T RESULTS - AT' RT TIME, END T NFORMATION: I V DRILL RIG SUPI W, I CERTIFY THE SOLUTION BOVE DESCRIBE LL ALSO BE FILE	CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE PROVIDED ON THE BEST OF MY KNOWLEDGE AND BELIEF, THE FORD WELL I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COME.	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h NSTRUCTION OTHER TO REGOING IS A TRUE AS BEEN INSTALLED DI	METHOD, OD. ary well casing ole plug was THAN LICENSEE AND CORRECT AND THAT THIS LLING.
5. TEST; RIG SUPERVISIO	WELL TES MISCELLA PRINT NA Nathan Sn	TES' STA ANEOUS IN ME(S) OF melcer ING BELO OF THE AL CORD WILL OF THE AL CORD W	T RESULTS - AT' RT TIME, END T NFORMATION: I V DRILL RIG SUPI W, I CERTIFY THE SOLUTION BOVE DESCRIBE LL ALSO BE FILE	CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER AND BELLIA SHOW IN THE STATE OF THE WAS SHOWN OF THE STATE	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h NSTRUCTION OTHER TO REGOING IS A TRUE AS BEEN INSTALLED DI 19/8/25 DATE	METHOD, OD. ary well casing ole plug was THAN LICENSEE AND CORRECT AND THAT THIS LLING.
5. TEST; RIG SUPERVISIO	WELL TES MISCELLA PRINT NA Nathan Sn	TES' STA ANEOUS IT ME(S) OF melcer TNG BELO CORD WILL SIGN.	T RESULTS - AT' RT TIME, END T NFORMATION: I V DRILL RIG SUPI W, I CERTIFY T BOVE DESCRIBE L ALSO BE FILE ATURE OF DRIL	CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER AND BELLIA SHOW IN THE STATE OF THE WAS SHOWN OF THE STATE	CLUDING DISCHARGE ER THE TESTING PERI bore was dry. Tempora Hydrated bentonite h NSTRUCTION OTHER TO REGOING IS A TRUE AS BEEN INSTALLED DI 19/8/25	METHOD, OD. ary well casing ole plug was THAN LICENSEE AND CORRECT AND THAT THIS LLING.



PLUGGING RECORD



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

	ENERAL / WELL OWNERSHIP:								
State	Engineer Well Number: CP-2083 Po	od 1							
Well	owner: Coterra Energy		Phone No.: 432-208-3035						
Maili	ng address: 840 Gessner Rd. Ste. 1	400		1					
		State:	TX	Zip code: 77024-4152					
II. W	VELL PLUGGING INFORMATION	ON:							
1)	Name of well drilling company the		nterprises, LLC .	8					
2)	New Mexico Well Driller Licens			Expiration Date: 6/16/27					
3)	Well plugging activities were sup Nathan Smelcer	pervised by the following	well driller(s)/rig superv	visor(s):					
4)	Date well plugging began: 9-8-	25 D	ate well plugging concl	uded: 9-8-25					
5)	GPS Well Location: Latitu Longi	de: 32 deg, tude: 103 deg,	35 min,	32.0 sec 9.5 sec, WGS 84					
6)	Depth of well confirmed at initia by the following manner: well so	tion of plugging as:1	ft below ground	level (bgl),					
7)	Static water level measured at ini	itiation of plugging:N	/A ft bgl						
8)	Date well plugging plan of opera	tions was approved by the	State Engineer:7/1	6/25					
9)	Were all plugging activities cons differences between the approved	istent with an approved pl d plugging plan and the w	ugging plan?ye ell as it was plugged (at	s If not, please describe tach additional pages as needed):					

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)				
	0' - 10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	pour					
_	10' - 105' Drill Cuttings	Approx. 140 gallons	140 Gallons	pour	. ,				
_	, A								
_									
_		5			*				
-									
_			7 Y						
-									
, _]	cubic feet x 7.	BY AND OBTAIN 4805 = gallons	, 8					

cubic yards **III. SIGNATURE:**

I, James Hawley	, say	that I	am	familiar	with t	he ru	les of	the	Office o	f the	State
Engineer pertaining to the plugging of wells and that e	ach a	nd all o	f the	stateme	nts in the	his Pl	ugging	Red	cord and a	attachi	nents
are true to the best of my knowledge and belief.	1 .										
	11	(1								
		N)						9/8/2	5	

201.97

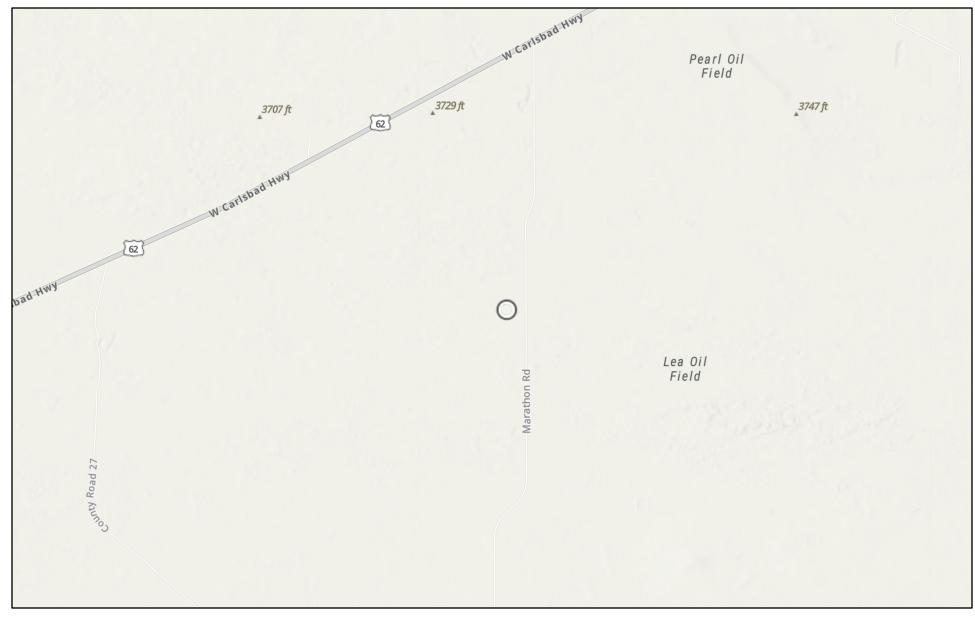
gallons

Signature of Well Driller

Version: September 8, 2009 Page 2 of 2

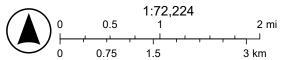
Date

Lea Unit 44H & 45H



6/10/2025

World_Hillshade



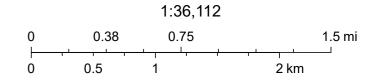
Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

Lea Unit 44H & 45H



6/10/2025, 2:12:24 PM

OSW Water Bodys



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

APPENDIX E

CARMONA RESOURCES

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/16/2025 1:31:00 PM

JOB DESCRIPTION

Lea Federal Unit 21H Lea County, New Mexico

JOB NUMBER

880-58111-1

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 5/16/2025 1:31:00 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 1

3

4

5

6

8

9

1 1

12

4 /

Client: Carmona Resources Project/Site: Lea Federal Unit 21H Laboratory Job ID: 880-58111-1 SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	29
QC Sample Results	31
QC Association Summary	39
Lab Chronicle	46
Certification Summary	56
Method Summary	57
Sample Summary	58
Chain of Custody	59
Receipt Checklists	62

2

3

4

6

8

10

11

13

14

Definitions/Glossary

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Qualifiers

00	11		
GC	v	U	А

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

GC Semi VOA

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

HPI C/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 **Practical Quantitation Limit** PQL

PRES Presumptive **Quality Control** QC

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 Job ID: 880-58111-1 Project: Lea Federal Unit 21H

Eurofins Midland Job ID: 880-58111-1

Job Narrative 880-58111-1

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 5/13/2025 5:03 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 1.2°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110112 and analytical batch 880-110092 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (1.5') (880-58111-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110113 and analytical batch 880-110227 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.

Diesel Range Organics

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-110109/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-110109/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-110110/2-A) and (LCSD 880-110110/3-A). Evidence of matrix interferences is not obvious.

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

Method 300 ORGFM 28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110123 and analytical batch 880-110163 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-2 (6.0') (880-58111-12), S-2 (7.0') (880-58111-13), S-2 (8.0') (880-58111-14), S-2 (9.0') (880-58111-15), S-3 (0-1.0') (880-58111-16), S-3 (1.5') (880-58111-17), S-3 (2.0') (880-58111-18), S-3 (3.0') (880-58111-19), S-3 (4.0') (880-58111-20), S-4 (0-1.0') (880-58111-21), (880-58111-A-12-D MS) and (880-58111-A-12-E MSD).

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

Client: Carmona Resources

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Project/Site: Lea Federal Unit 21H

Client Sample ID: S-1 (0-1.0') Lab Sample ID: 880-58111-1 Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		05/14/25 11:05	05/14/25 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/14/25 11:05	05/14/25 22:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/14/25 11:05	05/14/25 22:49	1

	Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Total BTEX	<0.00399	U	0.00399		mg/Kg			05/14/25 22:49	1

Method: SW846 8015 NM - Diesel Ra	inge Organic	s (DRO) (GC	;)					
Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1160		50.0	mg/Kg			05/15/25 04:10	1

Method: SW846 8015B NM - Dies						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 04:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	1160		50.0		mg/Kg		05/14/25 10:50	05/15/25 04:10	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				05/14/25 10:50	05/15/25 04:10	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	399	9.96	ma/Ka			05/14/25 20:35	1	

70 - 130

110

Client Sample ID: S-1 (1.5') Lab Sample ID: 880-58111-2 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

o-Terphenyl (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/14/25 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				05/14/25 11:05	05/14/25 23:09	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/14/25 11:05	05/14/25 23:09	1

Client Sample Results

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03 Lab Sample ID: 880-58111-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/14/25 23:09	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/15/25 04:26	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		05/14/25 10:50	05/15/25 04:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		05/14/25 10:50	05/15/25 04:26	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 10:50	05/15/25 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				05/14/25 10:50	05/15/25 04:26	1
o-Terphenyl (Surr)	92		70 - 130				05/14/25 10:50	05/15/25 04:26	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359	-	10.0		mg/Kg			05/14/25 20:41	1

Client Sample ID: S-1 (2.0') Lab Sample ID: 880-58111-3 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Released to Imaging: 9/16/2025 1:33:47 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/14/25 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-u.regute								05/44/05 00 00	
4-Bromofluorobenzene (Surr)	110		70 - 130				05/14/25 11:05	05/14/25 23:30	1
	101	culation	70 ₋ 130 70 ₋ 130				05/14/25 11:05 05/14/25 11:05	05/14/25 23:30 05/14/25 23:30	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	101 - Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ	Qualifier U	70 - 130 RL 0.00398		mg/Kg		05/14/25 11:05 Prepared	05/14/25 23:30 Analyzed 05/14/25 23:30	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <- 0.00398 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00398 GC) RL		mg/Kg	<u>D</u>	05/14/25 11:05	05/14/25 23:30 Analyzed 05/14/25 23:30 Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <- 0.00398 sel Range Organ Result <- colspan="2"><49.9	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00398 GC) RL 49.9		mg/Kg		05/14/25 11:05 Prepared	05/14/25 23:30 Analyzed 05/14/25 23:30	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Cald Result <- 0.00398 sel Range Organ Result <- visual result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	70 - 130 RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/14/25 23:30 Analyzed 05/14/25 23:30 Analyzed 05/15/25 04:44	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9 iesel Range Orga Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00398 GC) RL 49.9	MDL	mg/Kg		Prepared Prepared Prepared	Analyzed 05/14/25 23:30 Analyzed 05/14/25 23:30 Analyzed 05/15/25 04:44 Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Cald Result <- 0.00398 sel Range Organ Result <- visual result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/14/25 23:30 Analyzed 05/14/25 23:30 Analyzed 05/15/25 04:44	Dil Fac

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Project/Site: Lea Federal Unit 21H

Client: Carmona Resources

Lab Sample ID: 880-58111-3 Client Sample ID: S-1 (2.0') Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Method: SW846 8015B NI	M - Diesel Range Orga	inics (DRO)) (GC) (Continເ	ıed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C	(236) <49.9	U	49.9	mg/k	(g	05/14/25 10:50	05/15/25 04:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			05/14/25 10:50	05/15/25 04:44	1
o-Terphenyl (Surr)	93		70 - 130			05/14/25 10:50	05/15/25 04:44	1

Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		10.0		mg/Kg			05/14/25 21:02	1
Client Sample ID: S-1 (3.0')							Lab San	nple ID: 880-5	8111-4

Client Sample ID: S-1 (3.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03									
Method: SW846 8021B - Vola	tile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/14/25 23:50	1
Taluana	<0.00100	11	0.00100		nn ar/1/ ar		05/44/05 44:05	05/44/05 00:50	4

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00396	U	0.00396	mg/Kg	05/14/25 11:05	05/14/25 23:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg	05/14/25 11:05	05/14/25 23:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg	05/14/25 11:05	05/14/25 23:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg	05/14/25 11:05	05/14/25 23:50	1
Toluene	<0.00198	U	0.00198	mg/Kg	05/14/25 11:05	05/14/25 23:50	1
Benzene	<0.00198	U	0.00198	mg/Kg	05/14/25 11:05	05/14/25 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Pro	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	05/14	4/25 11:05	05/14/25 23:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/14	4/25 11:05	05/14/25 23:50	1
_							

	Method: IAL SOP Total BTEX - Tot	al BIEX Cald	culation							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Total BTEX	<0.00396	U	0.00396		mg/Kg			05/14/25 23:50	1

Method: SW846 8015 NM - Diesel Range	Organ	ics (DRO) (GO	C)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/25 05:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 05:00	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 05:00	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 05:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				05/14/25 10:50	05/15/25 05:00	

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	995		10.1		mg/Kg			05/14/25 21:09	1

70 - 130

Eurofins Midland

o-Terphenyl (Surr)

Matrix: Solid

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Project/Site: Lea Federal Unit 21H

Client Sample ID: S-1 (4.0') Lab Sample ID: 880-58111-5 Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 00:11	
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 00:11	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 00:11	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 00:11	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 00:11	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 00:11	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	113		70 - 130				05/14/25 11:05	05/15/25 00:11	-
1,4-Difluorobenzene (Surr)	98		70 - 130				05/14/25 11:05	05/15/25 00:11	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/25 00:11	
Method: SW846 8015 NM - Diese Analyte		Qualifier	RL	MDI	11!4	_	_		
			11	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1		50.1	WIDE	mg/Kg	D	Prepared	Analyzed 05/15/25 05:17	Dil Fa
		U	50.1	MIDL		D	Prepared		
Method: SW846 8015B NM - Dies	el Range Orga	U	50.1			D	Prepared Prepared		,
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Orga	nics (DRO) Qualifier	50.1 (GC)		mg/Kg		<u> </u>	05/15/25 05:17	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	Unics (DRO) Qualifier	50.1 (GC)		mg/Kg		Prepared	05/15/25 05:17 Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.1	nics (DRO) Qualifier U	50.1 (GC) RL 50.1		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:50	05/15/25 05:17 Analyzed 05/15/25 05:17	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <50.1	Dinics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50	05/15/25 05:17 Analyzed 05/15/25 05:17 05/15/25 05:17	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <50.1 <50.1	Dinics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50	05/15/25 05:17 Analyzed 05/15/25 05:17 05/15/25 05:17	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Dinics (DRO) Qualifier U U	50.1 (GC) RL 50.1 50.1 50.1 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared	05/15/25 05:17 Analyzed 05/15/25 05:17 05/15/25 05:17 05/15/25 05:17 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Oualifier U U Qualifier U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 05:17 Analyzed 05/15/25 05:17 05/15/25 05:17 05/15/25 05:17 Analyzed 05/15/25 05:17	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Oualifier U U Qualifier U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 05:17 Analyzed 05/15/25 05:17 05/15/25 05:17 05/15/25 05:17 Analyzed 05/15/25 05:17	Dil Fac

Client Sample ID: S-2 (0-1.0') Lab Sample ID: 880-58111-6 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/14/25 11:05	05/15/25 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				05/14/25 11:05	05/15/25 00:31	1
1.4-Difluorobenzene (Surr)	96		70 - 130				05/14/25 11:05	05/15/25 00:31	1

Client: Carmona Resources

1910

Job ID: 880-58111-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-6

Matrix: Solid

05/14/25 21:36

Client Sample ID: S-2 (0-1.0') Date Collected: 05/13/25 00:00

Project/Site: Lea Federal Unit 21H

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/15/25 00:31	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	100		50.3		mg/Kg			05/15/25 05:32	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		05/14/25 10:50	05/15/25 05:32	
(GRO)-C6-C10									
Diesel Range Organics (Over	100		50.3		mg/Kg		05/14/25 10:50	05/15/25 05:32	
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/14/25 10:50	05/15/25 05:32	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	94		70 - 130				05/14/25 10:50	05/15/25 05:32	
o-Terphenyl (Surr)	95		70 - 130				05/14/25 10:50	05/15/25 05:32	

Client Sample ID: S-2 (1.5') Lab Sample ID: 880-58111-7 Date Collected: 05/13/25 00:00 **Matrix: Solid**

50.5

mg/Kg

Date Received: 05/13/25 17:03

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/25 11:05	05/15/25 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/14/25 11:05	05/15/25 00:52	1
1 1 Diffusionanana (Curr)	97		70 400				05/11/05 11 05	05/45/05 00:50	
1,4-Difluorobenzene (Surr) : Method: TAL SOP Total BTEX		culation	70 - 130				05/14/25 11:05	05/15/25 00:52	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL		<u>D</u>	05/14/25 11:05 Prepared	Analyzed	Dil Fac
	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00402	Qualifier U	RL 0.00402	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U	RL 0.00402			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg	_ =	Prepared	Analyzed 05/15/25 00:52	Dil Fac Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————		mg/Kg	_ =	Prepared	Analyzed 05/15/25 00:52 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————	MDL	mg/Kg	_ =	Prepared	Analyzed 05/15/25 00:52 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 esel Range Organ Result <49.7 diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00402 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 05/15/25 00:52 Analyzed 05/15/25 05:49	Dil Fac

Job ID: 880-58111-1

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Lab Sample ID: 880-58111-7

SDG: Lea County, New Mexico

Matrix: Solid

Client Sample ID: S-2 (1.5') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 10:50	05/15/25 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				05/14/25 10:50	05/15/25 05:49	1
o-Terphenyl (Surr)	94		70 - 130				05/14/25 10:50	05/15/25 05:49	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		9.94		mg/Kg			05/14/25 21:43	1

Client Sample ID: S-2 (2.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Lab Sample ID: 880-58111-8

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 01:12	
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 01:12	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 01:12	•
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 01:12	
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 01:12	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 01:12	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	116		70 - 130				05/14/25 11:05	05/15/25 01:12	
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 01:12	

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL Unit	t D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/	Kg —		05/15/25 01:12	1

Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GO	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/15/25 06:05	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		05/14/25 10:50	05/15/25 06:05	1

Analyte	Nesuit	Qualifier	IXL	WIDE OILL	 riepaieu	Allalyzeu	Diriac
Gasoline Range Organics	<49.6	U	49.6	mg/Kg	 05/14/25 10:50	05/15/25 06:05	1
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.6	U	49.6	mg/Kg	05/14/25 10:50	05/15/25 06:05	1
C10-C28)							
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	05/14/25 10:50	05/15/25 06:05	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130		05/14/25 10:50	05/15/25 06:05	1
o-Terphenyl (Surr)	94		70 - 130		05/14/25 10:50	05/15/25 06:05	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		49.8		mg/Kg			05/14/25 21:49	5

Client: Carmona Resources Job ID: 880-58111-1 SDG: Lea County, New Mexico Project/Site: Lea Federal Unit 21H

Client Sample ID: S-2 (3.0') Lab Sample ID: 880-58111-9

Date Collected: 05/13/25 00:00 Matrix: Solid Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 01:32	
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 01:32	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 01:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 01:32	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 01:32	,
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 01:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				05/14/25 11:05	05/15/25 01:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 01:32	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/15/25 01:32	
Analyte	<0.00398	U	0.00398	MDL		<u>D</u>	<u>Prepared</u>		
Analyte Total BTEX	<0.00398 el Range Organ Result	ics (DRO) (Qualifier	0.00398 GC)			D	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) (Qualifier	0.00398 GC)		mg/Kg			05/15/25 01:32	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00398 el Range Organ Result <49.6	Uics (DRO) (Gualifier	0.00398 GC) RL 49.6		mg/Kg			05/15/25 01:32 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00398 el Range Organ Result <49.6 sel Range Organ	Uics (DRO) (Gualifier	0.00398 GC) RL 49.6	MDL	mg/Kg			05/15/25 01:32 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <49.6 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00398 GC) RL 49.6 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/15/25 01:32 Analyzed 05/15/25 06:37	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00398 el Range Organ Result <49.6 sel Range Orga Result <49.6	Qualifier U nics (DRO) Qualifier U	0.00398 GC) RL 49.6 (GC) RL 49.6	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 05/14/25 10:50	05/15/25 01:32 Analyzed 05/15/25 06:37 Analyzed 05/15/25 06:37	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <49.6 sel Range Organ Result	Qualifier U nics (DRO) Qualifier U	0.00398 GC) RL 49.6 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	05/15/25 01:32 Analyzed 05/15/25 06:37 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <49.6 sel Range Orga Result <49.6	Qualifier U nics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	0.00398 GC) RL 49.6 (GC) RL 49.6	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 05/14/25 10:50	05/15/25 01:32 Analyzed 05/15/25 06:37 Analyzed 05/15/25 06:37	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6 <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U U	0.00398 GC) RL 49.6 (GC) RL 49.6 49.6	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 05/14/25 10:50 05/14/25 10:50	05/15/25 01:32 Analyzed 05/15/25 06:37 Analyzed 05/15/25 06:37 05/15/25 06:37	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<0.00398 el Range Organ Result <49.6 sel Range Orga Result <49.6 <49.6 <49.6 <49.6	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U U	0.00398 GC) RL 49.6 (GC) RL 49.6 49.6 49.6	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/14/25 10:50 05/14/25 10:50	Analyzed 05/15/25 06:37 Analyzed 05/15/25 06:37 05/15/25 06:37 05/15/25 06:37	Dil Fac

Client Sample ID: S-2 (4.0') Lab Sample ID: 880-58111-10 Date Collected: 05/13/25 00:00 **Matrix: Solid**

RL

49.9

MDL Unit

mg/Kg

D

Prepared

Analyzed

05/14/25 21:56

Dil Fac

Result Qualifier

1510

Date Received: 05/13/25 17:03

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/14/25 11:05	05/15/25 01:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 01:53	1

Client: Carmona Resources

Job ID: 880-58111-1

SDG: Lea County, New Mexico

Project/Site: Lea Federal Unit 21H Client Sample ID: S-2 (4.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03 Lab Sample ID: 880-58111-10

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/25 01:53	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/15/25 06:54	1
-									
Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO)	(GC)						
Method: SW846 8015B NM - Diese Analyte		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	• •	MDL	Unit mg/Kg	<u>D</u>	Prepared 05/14/25 10:50	Analyzed 05/15/25 06:54	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL	MDL		<u>D</u>			Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.2	Qualifier U	RL 50.2	MDL	mg/Kg	<u>D</u>	05/14/25 10:50	05/15/25 06:54	Dil Fac

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 70 - 130 05/14/25 10:50 1-Chlorooctane (Surr) 91 05/15/25 06:54 o-Terphenyl (Surr) 89 70 - 130 05/14/25 10:50 05/15/25 06:54

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1010 Chloride 9.92 mg/Kg 05/14/25 22:03

Client Sample ID: S-2 (5.0') Lab Sample ID: 880-58111-11 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Released to Imaging: 9/16/2025 1:33:47 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/14/25 11:05	05/15/25 03:27	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				05/14/25 11:05	05/15/25 03:27	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	05/14/25 11:05 Prepared	05/15/25 03:27 Analyzed 05/15/25 03:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 05/15/25 03:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u>D</u>		Analyzed 05/15/25 03:27 Analyzed	Dil Fac
·	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 05/15/25 03:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 05/15/25 03:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.0 desel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00398	MDL	mg/Kg		Prepared	Analyzed 05/15/25 03:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <50.0 desel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/15/25 03:27 Analyzed 05/15/25 07:10	Dil Fac

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-11

Matrix: Solid

Client Sample ID: S-2 (5.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Method: SW846 8015B NM - Dies Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Resuit	Qualifier	RL	MDL	Ullit		Frepareu	Allalyzeu	DII Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				05/14/25 10:50	05/15/25 07:10	1
o-Terphenyl (Surr)	93		70 ₋ 130				05/14/25 10:50	05/15/25 07:10	1

Method: EPA 300.0 - Anions, Ion C	hromatography	- Soluble						
Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291	9.96		mg/Kg			05/14/25 22:10	1

Client Sample ID: S-2 (6.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Lab	Sample	:טו	880-58111-12
			Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/14/25 11:05	05/15/25 03:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 03:48	1
Method: TAL SOP Total BTEX - Analyte Total BTEX		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/15/25 03:48	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00399	Qualifier U	0.00399 GC)		mg/Kg		<u> </u>	05/15/25 03:48	Dil Fac
Analyte Total BTEX	Result <0.00399	Qualifier U ics (DRO) (Qualifier	0.00399		mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00399 El Range Organ Result <49.7 sel Range Organ	Qualifier U ics (DRO) (Qualifier U	0.00399 GC) RL 49.7		mg/Kg Unit mg/Kg		<u> </u>	05/15/25 03:48 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	Result <0.00399 El Range Organ Result <49.7 sel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00399 GC) RL 49.7 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/15/25 03:48 Analyzed 05/15/25 07:27	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <0.00399 El Range Organ Result <49.7 sel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00399 GC) RL 49.7 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	05/15/25 03:48 Analyzed 05/15/25 07:27 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00399 El Range Organ Result <49.7 sel Range Orga Result	Qualifier U ics (DRO) (Compared to the property of the proper	0.00399 GC) RL 49.7 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	05/15/25 03:48 Analyzed 05/15/25 07:27 Analyzed	Dil Fa

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 193 F1 10.0 mg/Kg 05/15/25 09:54

Limits

70 - 130

70 - 130

%Recovery

89

89

Qualifier

Eurofins Midland

Analyzed

05/15/25 07:27

05/15/25 07:27

Prepared

05/14/25 10:50

05/14/25 10:50

Surrogate

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Dil Fac

Job ID: 880-58111-1

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico Lab Sample ID: 880-58111-13 Client Sample ID: S-2 (7.0')

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 04:08	
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 04:08	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 04:08	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 04:08	
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 04:08	,
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 04:08	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	117		70 - 130				05/14/25 11:05	05/15/25 04:08	
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 04:08	1
Method: TAL SOP Total BTEX - To	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/25 04:08	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Diesel Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/15/25 07:42	
Analyte Total TPH		Qualifier U	RL 49.8	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <49.8 el Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.8			<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <49.8	Qualifier Unics (DRO) Qualifier	RL 49.8		mg/Kg		<u> </u>	05/15/25 07:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 el Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	05/15/25 07:42 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 Pl Range Orga Result <49.8	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:50	05/15/25 07:42 Analyzed 05/15/25 07:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.8 Pl Range Orga Result <49.8 <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50	05/15/25 07:42 Analyzed 05/15/25 07:42 05/15/25 07:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50	Analyzed 05/15/25 07:42 05/15/25 07:42 05/15/25 07:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared	Analyzed 05/15/25 07:42 05/15/25 07:42 05/15/25 07:42 05/15/25 07:42 Analyzed	Dil Fac
	Result <49.8 Result <49.8	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 07:42 Analyzed 05/15/25 07:42 05/15/25 07:42 05/15/25 07:42 Analyzed 05/15/25 07:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result <49.8	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 07:42 Analyzed 05/15/25 07:42 05/15/25 07:42 05/15/25 07:42 Analyzed 05/15/25 07:42	Dil Fac

Client Sample ID: S-2 (8.0') Lab Sample ID: 880-58111-14 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:05	05/15/25 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/14/25 11:05	05/15/25 04:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/14/25 11:05	05/15/25 04:28	1

Client Sample Results

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Client Sample ID: S-2 (8.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03 Lab Sample ID: 880-58111-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/25 04:28	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/15/25 08:00	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		05/14/25 10:50	05/15/25 08:00	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		05/14/25 10:50	05/15/25 08:00	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/25 10:50	05/15/25 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				05/14/25 10:50	05/15/25 08:00	1
o-Terphenyl (Surr)	92		70 - 130				05/14/25 10:50	05/15/25 08:00	1

Client Sample ID: S-2 (9.0') Lab Sample ID: 880-58111-15 **Matrix: Solid**

RL

10.0

MDL Unit

mg/Kg

D

Prepared

Analyzed

05/15/25 10:15

Result Qualifier

296

Date Collected: 05/13/25 00:00

Analyte

Chloride

Date Received: 05/13/25 17:03

Released to Imaging: 9/16/2025 1:33:47 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/14/25 11:05	05/15/25 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/14/25 11:05	05/15/25 04:49	1
							0=4440=440=	05/15/25 04:49	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	05/14/25 11:05 Prepared		
		culation	70 - 130				05/14/25 11:05	05/15/25 04:49	,
	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>	05/14/25 11:05 Prepared	Analyzed 05/15/25 04:49	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL		<u> </u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ	Qualifier U	RL 0.00401			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00401 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 05/15/25 04:49	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 05/15/25 04:49 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 05/15/25 04:49 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/15/25 04:49 Analyzed 05/15/25 08:15	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8 Diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	RL 0.00401 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 05/15/25 04:49 Analyzed 05/15/25 08:15 Analyzed	Dil Fac

Eurofins Midland

Dil Fac

Job ID: 880-58111-1

Client: Carmona Resources Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-15 Client Sample ID: S-2 (9.0') Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/25 10:50	05/15/25 08:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130				05/14/25 10:50	05/15/25 08:15	1
o-Terphenyl (Surr)	90		70 - 130				05/14/25 10:50	05/15/25 08:15	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158	9.94	mg/Kg			05/15/25 10:20	1

Client Sample ID: S-3 (0-1.0') Lab Sample ID: 880-58111-16 Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:09	
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:09	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:09	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 05:09	
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:09	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 05:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130				05/14/25 11:05	05/15/25 05:09	
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 05:09	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/25 05:09	
Allulyto	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	<49.8		49.8	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 05/15/25 08:33	
Total TPH	<49.8	U	49.8	MDL		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	<49.8	U	49.8			<u>D</u>	Prepared Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.8	nics (DRO) Qualifier	49.8 (GC)		mg/Kg		· · ·	05/15/25 08:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.8 sel Range Orga Result	nics (DRO) Qualifier	49.8 (GC)		mg/Kg		Prepared	05/15/25 08:33 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 sel Range Orga Result <49.8	nics (DRO) Qualifier U	49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:50	05/15/25 08:33 Analyzed 05/15/25 08:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 sel Range Orga Result <49.8 <49.8	nics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50	05/15/25 08:33 Analyzed 05/15/25 08:33 05/15/25 08:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<49.8 sel Range Orga Result <49.8 <49.8 <49.8	nics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50	05/15/25 08:33 Analyzed 05/15/25 08:33 05/15/25 08:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	nics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared	05/15/25 08:33 Analyzed 05/15/25 08:33 05/15/25 08:33 05/15/25 08:33 Analyzed	Dil Fa
	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 90 91	nics (DRO) Qualifier U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 08:33 Analyzed 05/15/25 08:33 05/15/25 08:33 05/15/25 08:33 Analyzed 05/15/25 08:33	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 90 91 Chromatograp	nics (DRO) Qualifier U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 08:33 Analyzed 05/15/25 08:33 05/15/25 08:33 05/15/25 08:33 Analyzed 05/15/25 08:33	Dil Fac

Eurofins Midland

5/16/2025

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Lab Sample ID: 880-58111-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:05	05/15/25 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/14/25 11:05	05/15/25 05:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/14/25 11:05	05/15/25 05:30	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/25 05:30	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Thethod: SW846 8015 NM - Diese		ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
- -		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/15/25 08:49	
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.6	Qualifier U	RL 49.6	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte	Result <49.6	Qualifier U	RL 49.6	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.6 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.6	MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <49.6	Qualifier Unics (DRO) Qualifier	RL 49.6 (GC)		mg/Kg			05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.6 Sel Range Orga Result <49.6	Qualifier U nics (DRO) Qualifier U	RL 49.6 (GC) RL 49.6		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:50	05/15/25 08:49 Analyzed 05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.6 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC)		mg/Kg		Prepared	05/15/25 08:49 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.6 Sel Range Orga Result <49.6	Qualifier U nics (DRO) Qualifier U	RL 49.6 (GC) RL 49.6		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:50	05/15/25 08:49 Analyzed 05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.6 (GC) RL 49.6 49.6		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50	05/15/25 08:49 Analyzed 05/15/25 08:49 05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.6 (GC) RL 49.6 49.6 49.6		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50	Analyzed 05/15/25 08:49 05/15/25 08:49 05/15/25 08:49 05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.6 (GC) RL 49.6 49.6 49.6 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared	Analyzed 05/15/25 08:49 Analyzed 05/15/25 08:49 05/15/25 08:49 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result <49.6	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.6 (GC) RL 49.6 49.6 49.6 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 08:49 Analyzed 05/15/25 08:49 05/15/25 08:49 05/15/25 08:49 Analyzed 05/15/25 08:49	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.6 (GC) RL 49.6 49.6 49.6 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 05/14/25 10:50 05/14/25 10:50 05/14/25 10:50 Prepared 05/14/25 10:50	05/15/25 08:49 Analyzed 05/15/25 08:49 05/15/25 08:49 05/15/25 08:49 Analyzed 05/15/25 08:49	Dil Fac

Client Sample ID: S-3 (2.0') Lab Sample ID: 880-58111-18 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Dil Fac RL D Prepared Analyzed Benzene <0.00198 U 0.00198 mg/Kg 05/14/25 11:05 05/15/25 05:50 Toluene <0.00198 U 0.00198 mg/Kg 05/14/25 11:05 05/15/25 05:50 Ethylbenzene <0.00198 U 0.00198 mg/Kg 05/14/25 11:05 05/15/25 05:50 m-Xylene & p-Xylene <0.00396 U 0.00396 mg/Kg 05/14/25 11:05 05/15/25 05:50 o-Xylene <0.00198 U 0.00198 mg/Kg 05/14/25 11:05 05/15/25 05:50 <0.00396 U 0.00396 05/14/25 11:05 05/15/25 05:50 Xylenes, Total mg/Kg %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 110 70 - 130 05/14/25 11:05 05/15/25 05:50 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 98 70 - 130 05/14/25 11:05 05/15/25 05:50

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-18

Matrix: Solid

Client Sample ID: S-3 (2.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared

Analyzed Dil Fac Total BTEX <0.00396 0.00396 05/15/25 05:50 mg/Kg

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

Result Qualifier **MDL** Unit RL D Prepared Analyzed Dil Fac Total TPH <50.1 U 50.1 05/15/25 09:05 mg/Kg

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

Analyte Result Qualifier RΙ MDL Unit D Prepared Dil Fac Analyzed <50.1 U 50.1 05/14/25 10:50 05/15/25 09:05 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.1 U 50.1 mg/Kg 05/14/25 10:50 05/15/25 09:05 C10-C28) Oil Range Organics (Over C28-C36) <50.1 U 50.1 05/14/25 10:50 05/15/25 09:05 mg/Kg

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 99 70 - 130 05/14/25 10:50 05/15/25 09:05 100 70 - 130 05/14/25 10:50 05/15/25 09:05 o-Terphenyl (Surr)

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 1820 50.4 mg/Kg 05/15/25 10:46

Client Sample ID: S-3 (3.0') Lab Sample ID: 880-58111-19 Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 0.00199 mg/Kg 05/14/25 11:05 05/15/25 06:10 Toluene <0.00199 U 0.00199 05/14/25 11:05 05/15/25 06:10 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/14/25 11:05 05/15/25 06:10 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 05/14/25 11:05 05/15/25 06:10 o-Xylene <0.00199 U 0.00199 mg/Kg 05/14/25 11:05 05/15/25 06:10 <0.00398 U 0.00398 05/14/25 11:05 05/15/25 06:10 Xylenes, Total mg/Kg

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 05/14/25 11:05 4-Bromofluorobenzene (Surr) 110 05/15/25 06:10 1,4-Difluorobenzene (Surr) 96 70 - 130 05/14/25 11:05 05/15/25 06:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed Total BTEX <0.00398 U 0.00398 05/15/25 06:10 mg/Kg

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

Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed Total TPH <50.1 U 50.1 05/14/25 19:02 mg/Kg

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		05/14/25 10:55	05/14/25 19:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		05/14/25 10:55	05/14/25 19:02	1

C10-C28)

Released to Imaging: 9/16/2025 1:33:47 PM

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Lab Sample ID: 880-58111-19 Client Sample ID: S-3 (3.0')

Date Collected: 05/13/25 00:00 Matrix: Solid Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/25 10:55	05/14/25 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				05/14/25 10:55	05/14/25 19:02	1
o-Terphenyl (Surr)	104		70 ₋ 130				05/14/25 10:55	05/14/25 19:02	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1680	49.7	mg/Kg			05/15/25 10:51	5

Client Sample ID: S-3 (4.0') Lab Sample ID: 880-58111-20 Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 11:05	05/15/25 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/14/25 11:05	05/15/25 06:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130				05/14/25 11:05	05/15/25 06:31	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/25 06:31	1
	el Range Organ		•			_			
Analyte Total TPH		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/14/25 19:50	
Analyte Total TPH	Result <50.3	Qualifier U	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.3	Qualifier U	RL 50.3		mg/Kg			05/14/25 19:50	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.3 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.3 (GC)		mg/Kg	<u>D</u>	Prepared	05/14/25 19:50 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.3	Qualifier Unics (DRO) Qualifier	RL 50.3		mg/Kg			05/14/25 19:50	Dil Fac Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.3 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC)		mg/Kg		Prepared	05/14/25 19:50 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.3 sel Range Orga Result <50.3	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:55	05/14/25 19:50 Analyzed 05/14/25 19:50	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55	05/14/25 19:50 Analyzed 05/14/25 19:50 05/14/25 19:50	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <50.3	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55	05/14/25 19:50 Analyzed 05/14/25 19:50 05/14/25 19:50 05/14/25 19:50	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared	05/14/25 19:50 Analyzed 05/14/25 19:50 05/14/25 19:50 05/14/25 19:50 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 19:50 Analyzed 05/14/25 19:50 05/14/25 19:50 05/14/25 19:50 Analyzed 05/14/25 19:50	Dil Fac 1 1 Dil Fac Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 19:50 Analyzed 05/14/25 19:50 05/14/25 19:50 05/14/25 19:50 Analyzed 05/14/25 19:50	1 Dil Fac 1 Dil Fac 1

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

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

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03 Lab Sample ID: 880-58111-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		05/14/25 11:07	05/15/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/14/25 11:07	05/15/25 15:35	1
1,4-Difluorobenzene (Surr)	113		70 - 130				05/14/25 11:07	05/15/25 15:35	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/25 15:35	

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/14/25 10:55	05/14/25 20:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/14/25 10:55	05/14/25 20:06	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/25 10:55	05/14/25 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				05/14/25 10:55	05/14/25 20:06	1
o-Terphenyl (Surr)	99		70 - 130				05/14/25 10:55	05/14/25 20:06	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	648	9.90	mg/Kg			05/15/25 11:01	1

Client Sample ID: S-4 (1.5')

Date Collected: 05/13/25 00:00

Lab Sample ID: 880-58111-22

Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:07	05/15/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/14/25 11:07	05/15/25 15:56	1
1.4-Difluorobenzene (Surr)	110		70 - 130				05/14/25 11:07	05/15/25 15:56	1

Eurofins Midland

Released to Imaging: 9/16/2025 1:33:47 PM

2

5

7

9

11

12

14

14

Client: Carmona Resources

Chloride

Job ID: 880-58111-1 SDG: Lea County, New Mexico

mg/Kg

Project/Site: Lea Federal Unit 21H

SDG: L

Client Sample ID: S-4 (1.5')

Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/25 15:56	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/14/25 20:22	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		05/14/25 10:55	05/14/25 20:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		05/14/25 10:55	05/14/25 20:22	•
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/25 10:55	05/14/25 20:22	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	114		70 - 130				05/14/25 10:55	05/14/25 20:22	
o-Terphenyl (Surr)	103		70 - 130				05/14/25 10:55	05/14/25 20:22	1

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-58111-23

9.92

Date Collected: 05/13/25 00:00 Matrix: Solid
Date Received: 05/13/25 17:03

648

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4 Duama of Land barrana (Occur)	91		70 - 130				05/14/25 11:07	05/15/25 16:16	1
4-Bromofluorobenzene (Surr)	0,		70 - 700				00/14/20 11.01		
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	114 - Total BTEX Cald		70 - 130	•••		_	05/14/25 11:07	05/15/25 16:16	1
1,4-Difluorobenzene (Surr)	114 - Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>		05/15/25 16:16 Analyzed 05/15/25 16:16	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ	Qualifier U	70 - 130 RL 0.00398		mg/Kg	<u> </u>	05/14/25 11:07 Prepared	Analyzed 05/15/25 16:16	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00398		mg/Kg	<u>D</u>	05/14/25 11:07	Analyzed 05/15/25 16:16 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00398 sel Range Organ Result <49.6 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO)	70 - 130 RL 0.00398 GC) RL 49.6	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 05/15/25 16:16 Analyzed 05/14/25 20:38	Dil Face
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Cald Result <-0.00398 sel Range Organ Result <	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00398 GC) RL 49.6 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u> </u>	Prepared Prepared Prepared	Analyzed 05/15/25 16:16 Analyzed 05/14/25 20:38 Analyzed	Dil Face
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00398 sel Range Organ Result <49.6 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00398 GC) RL 49.6	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 05/15/25 16:16 Analyzed 05/14/25 20:38	Dil Face

Eurofins Midland

05/15/25 11:06

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Lab Sample ID: 880-58111-23

Matrix: Solid

Client Sample ID: S-4 (2.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC) (Continu	ıed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/25 10:55	05/14/25 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				05/14/25 10:55	05/14/25 20:38	1
o-Terphenyl (Surr)	98		70 - 130				05/14/25 10:55	05/14/25 20:38	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography	/ - Soluble						
Analyte	Result Q	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224	10.0		mg/Kg			05/15/25 11:22	1

D

Client Sample ID: S-4 (3.0')	Lab Sample ID: 880-58111-24
Date Collected: 05/13/25 00:00	Matrix: Solid
Date Received: 05/13/25 17:03	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 16:36	
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 16:36	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 16:36	
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		05/14/25 11:07	05/15/25 16:36	
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 16:36	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 11:07	05/15/25 16:36	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				05/14/25 11:07	05/15/25 16:36	
1,4-Difluorobenzene (Surr)	106		70 - 130				05/14/25 11:07	05/15/25 16:36	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/25 16:36	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result<50.1		50.1	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/14/25 20:54	Dil Fa
Total TPH Method: SW846 8015B NM - Dies	<50.1	nics (DRO)	50.1 (GC)		mg/Kg			05/14/25 20:54	
Total TPH Method: SW846 8015B NM - Dies Analyte	<50.1 sel Range Orga Result	nics (DRO) Qualifier	50.1 (GC)	MDL	mg/Kg	<u>D</u>	Prepared	05/14/25 20:54 Analyzed	
Total TPH Method: SW846 8015B NM - Dies	<50.1	nics (DRO) Qualifier	50.1 (GC)		mg/Kg			05/14/25 20:54	
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.1 sel Range Orga Result	nics (DRO) Qualifier	50.1 (GC)		mg/Kg		Prepared	05/14/25 20:54 Analyzed	
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.1 sel Range Orga Result <50.1	nics (DRO) Qualifier U	50.1 (GC) RL 50.1		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:55	05/14/25 20:54 Analyzed 05/14/25 20:54	
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<50.1 sel Range Orga Result <50.1 <50.1	nics (DRO) Qualifier U	50.1 (GC) RL 50.1 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55	05/14/25 20:54 Analyzed 05/14/25 20:54 05/14/25 20:54	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<50.1 sel Range Orga Result <50.1 <50.1 <50.1	nics (DRO) Qualifier U	50.1 (GC) RL 50.1 50.1 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55	05/14/25 20:54 Analyzed 05/14/25 20:54 05/14/25 20:54 05/14/25 20:54	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<50.1 sel Range Orga Result <50.1 <50.1 <50.1 <80.1 %Recovery	nics (DRO) Qualifier U	50.1 (GC) RL 50.1 50.1 50.1 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared	05/14/25 20:54 Analyzed 05/14/25 20:54 05/14/25 20:54 05/14/25 20:54 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	<50.1 sel Range Orga Result <50.1 <50.1 <50.1 <50.1 <8ecovery 108 97	nics (DRO) Qualifier U U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 20:54 Analyzed 05/14/25 20:54 05/14/25 20:54 05/14/25 20:54 Analyzed 05/14/25 20:54	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	<50.1 sel Range Orga Result <50.1 <50.1 <50.1 <50.1 <60.1 <60.1 %Recovery 108 97 1 Chromatograp	nics (DRO) Qualifier U U Qualifier	50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 20:54 Analyzed 05/14/25 20:54 05/14/25 20:54 05/14/25 20:54 Analyzed 05/14/25 20:54	Dil Fa

Client Sample Results

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Client Sample ID: S-4 (4.0')

Lab Sample ID: 880-58111-25 Date Collected: 05/13/25 00:00

Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:57	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:57	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 16:57	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 16:57	,
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 16:57	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130				05/14/25 11:07	05/15/25 16:57	
1,4-Difluorobenzene (Surr)	112		70 - 130				05/14/25 11:07	05/15/25 16:57	:
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/25 16:57	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/14/25 21:10	
Analyte Total TPH	Result <50.3	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.3 sel Range Orga	Qualifier U				<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.3 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.3		mg/Kg		<u> </u>	05/14/25 21:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.3 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC)		mg/Kg		Prepared	05/14/25 21:10 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result sel Range Orga Result <50.3	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3		mg/Kg Unit mg/Kg		Prepared 05/14/25 10:55	05/14/25 21:10 Analyzed 05/14/25 21:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55	05/14/25 21:10 Analyzed 05/14/25 21:10 05/14/25 21:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55	05/14/25 21:10 Analyzed 05/14/25 21:10 05/14/25 21:10 05/14/25 21:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared	Analyzed 05/14/25 21:10 Analyzed 05/14/25 21:10 05/14/25 21:10 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 21:10 Analyzed 05/14/25 21:10 05/14/25 21:10 05/14/25 21:10 Analyzed 05/14/25 21:10	Dil Fac
Total TPH Method: SW846 8015B NM - Dies	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 21:10 Analyzed 05/14/25 21:10 05/14/25 21:10 05/14/25 21:10 Analyzed 05/14/25 21:10	Dil Fac

Client Sample ID: S-5 (0-1.0') Lab Sample ID: 880-58111-26 Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/14/25 11:07	05/15/25 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				05/14/25 11:07	05/15/25 17:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130				05/14/25 11:07	05/15/25 17:17	1

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1

SDG: Lea County, New Mexico

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

<50.0 U

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Lab Sample ID: 880-58111-26

05/14/25 21:26

05/14/25 10:55

Matrix: Solid

Method: TAL SOP Total BTEX -	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/15/25 17:17	1
- Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/25 21:26	1
- Method: SW846 8015B NM - Did	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 21:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 21:26	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105	70 - 130	05/14/25 10:55	05/14/25 21:26	1
o-Terphenyl (Surr)	92	70 - 130	05/14/25 10:55	05/14/25 21:26	1

50.0

mg/Kg

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 9.94 05/15/25 11:48 Chloride 441 mg/Kg

Client Sample ID: S-5 (1.5') Lab Sample ID: 880-58111-27 Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Oil Range Organics (Over C28-C36)

C10-C28)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/25 11:07	05/15/25 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/14/25 11:07	05/15/25 17:38	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	109 - Total BTEX Cald	culation	70 - 130				05/14/25 11:07	05/15/25 17:38	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	05/14/25 11:07 Prepared	Analyzed	•
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00402	Qualifier U	RL 0.00402	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00402		mg/Kg		Prepared	Analyzed 05/15/25 17:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg	<u>D</u>		Analyzed 05/15/25 17:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 05/15/25 17:38	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 05/15/25 17:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 05/15/25 17:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00402 sel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00402 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/15/25 17:38 Analyzed 05/14/25 21:43	Dil Fac Dil Fac

Date Received: 05/13/25 17:03

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client Sample ID: S-5 (1.5') Lab Sample ID: 880-58111-27 Date Collected: 05/13/25 00:00

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		05/14/25 10:55	05/14/25 21:43	1
_									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane (Surr)	%Recovery 104	Qualifier	70 - 130				05/14/25 10:55	Analyzed 05/14/25 21:43	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Dil Fac Prepared Analyzed 235 9.98 05/15/25 11:53 Chloride mg/Kg

Client Sample ID: S-5 (2.0')

Date Collected: 05/13/25 00:00

Lab Sample ID: 880-58111-28

Matrix: Solid

Date Received: 05/13/25 17:03

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/14/25 11:07	05/15/25 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/14/25 11:07	05/15/25 17:58	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/14/25 11:07	05/15/25 17:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/25 17:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0	U	50.0		mg/Kg			05/14/25 21:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 21:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 21:59	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				05/14/25 10:55	05/14/25 21:59	1
o-Terphenyl (Surr)	97		70 - 130				05/14/25 10:55	05/14/25 21:59	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		10.0		mg/Kg			05/15/25 11:58	1

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-58111-29

Date Collected: 05/13/25 00:00 Matrix: Solid
Date Received: 05/13/25 17:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/25 11:07	05/15/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/14/25 11:07	05/15/25 18:19	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/14/25 11:07	05/15/25 18:19	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/25 18:19	1
_									
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/14/25 22:30	Dil Fac
Analyte	Result <49.7	Qualifier U	RL 49.7	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <49.7	Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <49.7	Qualifier Unics (DRO) Qualifier	RL 49.7		mg/Kg	_ =	<u> </u>	05/14/25 22:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result 49.7 sel Range Orga Result <49.7	Qualifier U unics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7		mg/Kg Unit mg/Kg	_ =	Prepared 05/14/25 10:55	05/14/25 22:30 Analyzed 05/14/25 22:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7 sel Range Orga Result	Qualifier U unics (DRO) Qualifier U	RL 49.7 (GC)		mg/Kg	_ =	Prepared	05/14/25 22:30 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result 49.7 sel Range Orga Result <49.7	Qualifier U unics (DRO) Qualifier U	RL 49.7 (GC) RL 49.7		mg/Kg Unit mg/Kg	_ =	Prepared 05/14/25 10:55	05/14/25 22:30 Analyzed 05/14/25 22:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/14/25 10:55 05/14/25 10:55	05/14/25 22:30 Analyzed 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared	Analyzed 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 22:30 Analyzed 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 Analyzed 05/14/25 22:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared	Analyzed 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Result	Qualifier U unics (DRO) Qualifier U U U Qualifier	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/14/25 10:55 05/14/25 10:55 05/14/25 10:55 Prepared 05/14/25 10:55	05/14/25 22:30 Analyzed 05/14/25 22:30 05/14/25 22:30 05/14/25 22:30 Analyzed 05/14/25 22:30	Dil Fac

Client Sample ID: S-5 (4.0')

Date Collected: 05/13/25 00:00

Lab Sample ID: 880-58111-30

Matrix: Solid

10.1

mg/Kg

Date Collected: 05/13/25 00:00
Date Received: 05/13/25 17:03

204

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/25 11:07	05/15/25 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/14/25 11:07	05/15/25 18:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/14/25 11:07	05/15/25 18:39	1

Eurofins Midland

05/15/25 12:04

2

3

5

7

9

11

13

_ _ _ _

tins iviidiand

Chloride

Client Sample Results

Client: Carmona Resources
Project/Site: Lea Federal Unit 21H
SDG: Lea

85

87

137

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client Sample ID: S-5 (4.0')
Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Analyte

Chloride

Lab Sample ID: 880-58111-30

05/14/25 22:47

05/14/25 22:47

Analyzed

05/15/25 12:09

Dil Fac

05/14/25 10:55

05/14/25 10:55

Prepared

D

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/25 18:39	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/25 22:47	1
Method: SW846 8015B NM - Dies	• •		` '						
	• •		` '	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL _	MDL	Unit mg/Kg	<u>D</u>	Prepared 05/14/25 10:55	Analyzed 05/14/25 22:47	Dil Fac
	• •	Qualifier	` '	MDL	Unit mg/Kg	<u>D</u>	Prepared 05/14/25 10:55	Analyzed 05/14/25 22:47	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL _	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	05/14/25 10:55	05/14/25 22:47	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u> </u>	05/14/25 10:55	05/14/25 22:47	Dil Fac

70 - 130

70 - 130

RL

10.1

MDL Unit

mg/Kg

Surrogate Summary

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-58111-1	S-1 (0-1.0')	101	99	
380-58111-1 MS	S-1 (0-1.0')	100	103	
880-58111-1 MSD	S-1 (0-1.0')	98	104	
380-58111-2	S-1 (1.5')	131 S1+	81	
380-58111-3	S-1 (2.0')	110	101	
880-58111-4	S-1 (3.0')	122	96	
380-58111-5	S-1 (4.0')	113	98	
380-58111-6	S-2 (0-1.0')	116	96	
380-58111-7	S-2 (1.5')	110	97	
380-58111-8	S-2 (2.0')	116	97	
380-58111-9	S-2 (3.0')	110	97	
380-58111-10	S-2 (4.0')	114	97	
380-58111-11	S-2 (5.0')	113	99	
380-58111-12	S-2 (6.0')	112	97	
380-58111-13	S-2 (7.0')	117	97	
380-58111-14	S-2 (8.0')	112	98	
380-58111-15	S-2 (9.0')	110	98	
880-58111-16	S-3 (0-1.0')	109	97	
380-58111-17	S-3 (1.5')	112	97	
380-58111-18	S-3 (2.0')	110	98	
380-58111-19	S-3 (3.0')	110	96	
380-58111-20	S-3 (4.0')	120	94	
880-58111-21	S-4 (0-1.0')	91	113	
880-58111-21 MS	S-4 (0-1.0')	88	107	
880-58111-21 MSD	S-4 (0-1.0')	95	110	
380-58111-22	S-4 (1.5')	89	110	
380-58111-23	S-4 (2.0')	91	114	
380-58111-24	S-4 (3.0')	88	106	
380-58111-25	S-4 (4.0')	90	112	
380-58111-26	S-5 (0-1.0')	94	102	
880-58111-27	S-5 (1.5')	96	109	
380-58111-28	S-5 (2.0')	98	109	
80-58111-29	S-5 (3.0')	89	110	
380-58111-30	S-5 (4.0')	96	106	
.CS 880-110112/1-A	Lab Control Sample	112	104	
.CS 880-110113/1-A	Lab Control Sample	81	106	
CSD 880-110112/2-A	Lab Control Sample Dup	113	101	
CSD 880-110113/2-A	Lab Control Sample Dup	92	112	
MB 880-110058/5-B	Method Blank	102	97	
MB 880-110112/5-A	Method Blank	104	92	
MB 880-110113/5-A	Method Blank	71	121	
	••			

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-58110-A-6-B MS	Matrix Spike	86	93	
880-58110-A-6-C MSD	Matrix Spike Duplicate	87	95	
880-58111-1	S-1 (0-1.0')	93	110	
380-58111-2	S-1 (1.5')	94	92	
380-58111-3	S-1 (2.0')	94	93	
380-58111-4	S-1 (3.0')	94	94	
380-58111-5	S-1 (4.0')	96	98	
380-58111-6	S-2 (0-1.0')	94	95	
80-58111-7	S-2 (1.5')	94	94	
380-58111-8	S-2 (2.0')	93	94	
880-58111-9	S-2 (3.0')	95	94	
380-58111-10	S-2 (4.0')	91	89	
880-58111-11	S-2 (5.0')	93	93	
80-58111-12	S-2 (6.0')	89	89	
380-58111-13	S-2 (7.0')	92	91	
380-58111-14	S-2 (8.0')	92	92	
880-58111-15	S-2 (9.0')	90	90	
380-58111-16	S-3 (0-1.0')	90	91	
380-58111-17	S-3 (1.5')	92	92	
880-58111-18	S-3 (2.0')	99	100	
380-58111-19	S-3 (3.0')	115	104	
380-58111-19 MS	S-3 (3.0')	100	99	
880-58111-19 MSD	S-3 (3.0')	101	99	
880-58111-20	S-3 (4.0')	112	101	
380-58111-21	S-4 (0-1.0')	112	99	
380-58111-22	S-4 (1.5')	114	103	
880-58111-23	S-4 (2.0')	110	98	
380-58111-24	S-4 (3.0')	108	97	
380-58111-25	S-4 (4.0')	109	97	
380-58111-26	S-5 (0-1.0')	105	92	
380-58111-27	S-5 (1.5')	104	91	
380-58111-28	S-5 (2.0')	109	97	
380-58111-29	S-5 (3.0')	83	85	
380-58111-30	S-5 (4.0')	85	87	
.CS 880-110109/2-A	Lab Control Sample	131 S1+	133 S1+	
_CS 880-110110/2-A	Lab Control Sample	141 S1+	133 S1+	
_CSD 880-110109/3-A	Lab Control Sample Dup	140 S1+	124	
LCSD 880-110110/3-A	Lab Control Sample Dup	140 S1+	133 S1+	
MB 880-110109/1-A	Method Blank	87	89	
MB 880-110110/1-A	Method Blank	106	96	

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Client: Carmona Resources Job ID: 880-58111-1 SDG: Lea County, New Mexico Project/Site: Lea Federal Unit 21H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110058/5-B

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110058

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/25 08:00	05/14/25 11:27	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:00	05/14/25 11:27	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/25 08:00	05/14/25 11:27	

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	d Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102	70 - 130	05/14/25 08	3:00 05/14/25 11:27	
1,4-Difluorobenzene (Surr)	97	70 - 130	05/14/25 08	3:00 05/14/25 11:27	

Lab Sample ID: MB 880-110112/5-A

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110112

мв мв

ı										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:27	1
	Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:27	1
	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:27	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/25 11:05	05/14/25 22:27	1
	o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 11:05	05/14/25 22:27	1
	Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/25 11:05	05/14/25 22:27	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/14/25 11:05	05/14/25 22:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/14/25 11:05	05/14/25 22:27	1

Lab Sample ID: LCS 880-110112/1-A

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 110112**

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09023		mg/Kg		90	70 - 130	
Toluene	0.100	0.09624		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.2009		mg/Kg		100	70 - 130	
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 _ 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-110112/2-A

Matrix: Solid

Analysis Batch: 110092

Client Sample	ID: Lab Control	Sample Dup

Prep Type: Total/NA

Prep Batch: 110112

	Spike	LCSD LCSD				%Rec		KPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09063	mg/Kg		91	70 - 130	0	35	

Eurofins Midland

Page 31 of 62

1

QC Sample Results

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-110112/2-A

Matrix: Solid

Analysis Batch: 110092

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110112

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Toluene	0.100	0.09646		mg/Kg		96	70 - 130	0	35	
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130	0	35	
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	0	35	

LCSD LCSD

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 880-58111-1 MS **Client Sample ID: S-1 (0-1.0')**

Matrix: Solid

Analysis Batch: 110092

Prep Type: Total/NA

Prep Batch: 110112

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00200 U 0.100 0.07762 78 70 - 130 mg/Kg Toluene <0.00200 U 0.100 0.07432 mg/Kg 74 70 - 130 Ethylbenzene <0.00200 UF1 0.100 0.06554 F1 mg/Kg 70 - 130 66 0.200 m-Xylene & p-Xylene <0.00399 UF1 0.1264 F1 63 70 - 130 mg/Kg o-Xylene <0.00200 UF1 0.100 0.06248 F1 mg/Kg 62 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 880-58111-1 MSD

Matrix: Solid

Analysis Batch: 110092

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

Prep Type: Total/NA

Prep Batch: 110112

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.07917		mg/Kg		79	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.07444		mg/Kg		74	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.06510	F1	mg/Kg		65	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1222	F1	mg/Kg		61	70 - 130	3	35
o-Xylene	<0.00200	U F1	0.100	0.05980	F1	mg/Kg		60	70 - 130	4	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: MB 880-110113/5-A

Matrix: Solid

Analysis Batch: 110227

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110113

мв мв

Analyte	Re	ult Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00	200 U	0.00200		mg/Kg	_	05/14/25 11:07	05/15/25 15:14	1
Toluene	<0.00	200 U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:14	1
Ethylbenzene	<0.00	200 U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:14	1
m-Xylene & p->	(ylene <0.00	00 U	0.00400		mg/Kg		05/14/25 11:07	05/15/25 15:14	1

Eurofins Midland

Page 32 of 62

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client Sample ID: Method Blank

05/15/25 15:14

05/14/25 11:07

Prep Type: Total/NA

Prep Batch: 110113

Prep Batch: 110113

Prep Type: Total/NA

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

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

<0

<0.00400 U

Lab Sample ID: MB 880-110113/5-A **Matrix: Solid**

Analyte o-Xylene

Xylenes, Total

Analysis Batch: 110227

МВ	MB						•	
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
0.00200	U	0.00200		mg/Kg		05/14/25 11:07	05/15/25 15:14	1

mg/Kg

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71	70 - 130	05/14/25 11:07	05/15/25 15:14	1
1,4-Difluorobenzene (Surr)	121	70 - 130	05/14/25 11:07	05/15/25 15:14	1

0.00400

Lab Sample ID: LCS 880-110113/1-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 110227

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08596		mg/Kg		86	70 - 130	
Toluene	0.100	0.08236		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.08007		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	0.200	0.1671		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08273		mg/Kg		83	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 81 70 - 130 1,4-Difluorobenzene (Surr) 106 70 - 130

Lab Sample ID: LCSD 880-110113/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid**

Analysis Batch: 110227

Analysis Batch: 110227						Prep Batch: 110113			
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09399		mg/Kg		94	70 - 130	9	35
Toluene	0.100	0.08956		mg/Kg		90	70 - 130	8	35
Ethylbenzene	0.100	0.08986		mg/Kg		90	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1907		mg/Kg		95	70 - 130	13	35
o-Xylene	0.100	0.09439		mg/Kg		94	70 - 130	13	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-58111-21 MS **Client Sample ID: S-4 (0-1.0')**

Matrix: Solid

Analysis Batch: 110227									Prep	Batch: 110113
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.100	0.06584	F1	mg/Kg		66	70 - 130	
Toluene	<0.00200	U F1	0.100	0.05168	F1	mg/Kg		52	70 - 130	
Ethylbenzene	<0.00200	U F1	0.100	0.04342	F1	mg/Kg		43	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.09267	F1	mg/Kg		46	70 - 130	
o-Xylene	<0.00200	U F1	0.100	0.04819	F1	mg/Kg		48	70 - 130	

Eurofins Midland

Prep Type: Total/NA

Client: Carmona Resources Project/Site: Lea Federal Unit 21H Job ID: 880-58111-1

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58111-21 MS

Matrix: Solid

Surrogate

Analysis Batch: 110227

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

Prep Type: Total/NA **Prep Batch: 110113**

4-Bromofluorobenzene (Surr) 88 70 - 130 1,4-Difluorobenzene (Surr) 107 70 - 130

Limits

Lab Sample ID: 880-58111-21 MSD **Client Sample ID: S-4 (0-1.0')**

Matrix: Solid

Analysis Batch: 110227

Prep Type: Total/NA

Prep Batch: 110113

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.100	0.06383	F1	mg/Kg		64	70 - 130	3	35
Toluene	<0.00200	U F1	0.100	0.05135	F1	mg/Kg		51	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.100	0.04336	F1	mg/Kg		43	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.09325	F1	mg/Kg		47	70 - 130	1	35
o-Xylene	<0.00200	U F1	0.100	0.04819	F1	mg/Kg		48	70 - 130	0	35

MSD MSD

MS MS

%Recovery Qualifier

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 95 70 - 130 1,4-Difluorobenzene (Surr) 110 70 - 130

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

Lab Sample ID: MB 880-110109/1-A

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 110109**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 02:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 02:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:50	05/15/25 02:16	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	05/14/25 10:50	05/15/25 02:16	1
o-Terphenyl (Surr)	89		70 - 130	05/14/25 10:50	05/15/25 02:16	1

Lab Sample ID: LCS 880-110109/2-A

Released to Imaging: 9/16/2025 1:33:47 PM

Matrix: Solid

Analysis Batch: 110100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	975.1		mg/Kg		98	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1137		mg/Kg		114	70 - 130	
C40 C20)								

C10-C28)

	LUS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	131	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Eurofins Midland

Prep Batch: 110109

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

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

140 S1+

124

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-110109/3-A **Matrix: Solid**

70 - 130

70 - 130

Prep Type: Total/NA **Prep Batch: 110109**

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	919.1		mg/Kg		92	70 - 130	6	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1000		mg/Kg		100	70 - 130	13	20	

C10-C28)

Analysis Batch: 110100

LCSD LCSD %Recovery Qualifier Limits

Lab Sample ID: 880-58110-A-6-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Surrogate

Prep Type: Total/NA

Analysis Batch: 110100

Prep Batch: 110109

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	997	748.7		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.1	U	997	828.9		mg/Kg		82	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	93		70 - 130

Lab Sample ID: 880-58110-A-6-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 110100

Prep Batch: 110109

ш	·,												
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
	Gasoline Range Organics	<50.1	U	997	762.0		mg/Kg		76	70 - 130	2	20	
	(GRO)-C6-C10												
	Diesel Range Organics (Over	<50.1	U	997	831.1		mg/Kg		82	70 - 130	0	20	
	C10-C28)												

MSD MSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane (Surr)	87	70 _ 130
o-Terphenyl (Surr)	95	70 - 130

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 110103

Lab Sample ID: MB 880-110110/1-A

Prep Batch: 110110

l		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 18:13	1
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 18:13	1
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 10:55	05/14/25 18:13	1

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-110110/1-A

Lab Sample ID: LCS 880-110110/2-A

Lab Sample ID: LCSD 880-110110/3-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 110103

Analysis Batch: 110103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110110

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	05/14/25 10:55	05/14/25 18:13	1
o-Terphenyl (Surr)	96		70 - 130	05/14/25 10:55	05/14/25 18:13	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110110

•	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1153		mg/Kg		115	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1177		mg/Kg		118	70 - 130
C10-C28)							

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	141	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110110

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 1145 mg/Kg 114 70 - 130 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1187 mg/Kg 119 70 - 130 20

C10-C28)

Matrix: Solid

Analysis Batch: 110103

Analysis Batch: 110103

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	140	S1+	70 - 130
o-Terphenyl (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-58111-19 MS Client Sample ID: S-3 (3.0') **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 110110

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <50.1 U 999 912.2 91 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.1 U 999 947.4 mg/Kg 95 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58111-19 MSD

Matrix: Solid

Analysis Batch: 110103

Client Sample ID: S-3 (3.0')

Prep Type: Total/NA

Prep Batch: 110110

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.1	U	999	902.3		mg/Kg		90	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.1	U	999	959.5		mg/Kg		96	70 - 130	1	20
C40 C20\											

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110122/1-A

Matrix: Solid

Analysis Batch: 110158

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: S-1 (1.5')

Client Sample ID: S-1 (1.5')

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/14/25 18:46	1

Lab Sample ID: LCS 880-110122/2-A

Matrix: Solid

Analysis Batch: 110158

	:	Spike	LCS	LCS				%Rec	
Analyte	Α	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	259.6		mg/Kg		104	90 - 110	

Lab Sample ID: LCSD 880-110122/3-A

Matrix: Solid

Analysis Batch: 110158

•	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	257.4		ma/Ka		103	90 - 110		20

Lab Sample ID: 880-58111-2 MS

Matrix: Solid

Analysis Batch: 110158

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	359		250	594.6		ma/Ka	_	94	90 - 110	

Lab Sample ID: 880-58111-2 MSD

Analysis Batch: 110158									Prep	Type: S	oluble
_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	359		250	595.9		mg/Kg		95	90 - 110	0	20

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: S-2 (6.0')

Client Sample ID: S-2 (6.0')

Client Sample ID: S-4 (1.5')

Client Sample ID: S-4 (1.5')

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-110123/1-A

Matrix: Solid

Analysis Batch: 110163

	MB	MB
naluta	Popult	Λ

Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed Analyte Chloride <10.0 U 10.0 mg/Kg 05/15/25 09:38

Lab Sample ID: LCS 880-110123/2-A

Matrix: Solid

Analysis Batch: 110163

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Chloride	250	241.3	mg/Kg		97	90 - 110	

Lab Sample ID: LCSD 880-110123/3-A

Matrix: Solid

Analysis Batch: 110163

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	242.6		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-58111-12 MS

Matrix: Solid

Analysis Batch: 110163

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	193	F1	250	478.1	F1	mg/Kg		114	90 - 110	

Lab Sample ID: 880-58111-12 MSD

Matrix: Solid

Analysis Batch: 110163

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	193	F1	250	472.5	F1	mg/Kg		112	90 - 110	1	20

Lab Sample ID: 880-58111-22 MS

Matrix: Solid

Analysis Batch: 110163

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	648		248	882 3		ma/Ka	_	94	90 110	

Lab Sample ID: 880-58111-22 MSD

Matrix: Solid

Analysis Batch: 110163											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	648		248	881.7		mg/Kg		94	90 - 110	0	20

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

GC VOA

Prep Batch: 110058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-110058/5-B	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 110092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	8021B	110112
880-58111-2	S-1 (1.5')	Total/NA	Solid	8021B	110112
880-58111-3	S-1 (2.0')	Total/NA	Solid	8021B	110112
880-58111-4	S-1 (3.0')	Total/NA	Solid	8021B	110112
880-58111-5	S-1 (4.0')	Total/NA	Solid	8021B	110112
880-58111-6	S-2 (0-1.0')	Total/NA	Solid	8021B	110112
880-58111-7	S-2 (1.5')	Total/NA	Solid	8021B	110112
880-58111-8	S-2 (2.0')	Total/NA	Solid	8021B	110112
880-58111-9	S-2 (3.0')	Total/NA	Solid	8021B	110112
880-58111-10	S-2 (4.0')	Total/NA	Solid	8021B	110112
880-58111-11	S-2 (5.0')	Total/NA	Solid	8021B	110112
880-58111-12	S-2 (6.0')	Total/NA	Solid	8021B	110112
880-58111-13	S-2 (7.0')	Total/NA	Solid	8021B	110112
880-58111-14	S-2 (8.0')	Total/NA	Solid	8021B	110112
880-58111-15	S-2 (9.0')	Total/NA	Solid	8021B	110112
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	8021B	110112
880-58111-17	S-3 (1.5')	Total/NA	Solid	8021B	110112
880-58111-18	S-3 (2.0')	Total/NA	Solid	8021B	110112
880-58111-19	S-3 (3.0')	Total/NA	Solid	8021B	110112
880-58111-20	S-3 (4.0')	Total/NA	Solid	8021B	110112
MB 880-110058/5-B	Method Blank	Total/NA	Solid	8021B	110058
MB 880-110112/5-A	Method Blank	Total/NA	Solid	8021B	110112
LCS 880-110112/1-A	Lab Control Sample	Total/NA	Solid	8021B	110112
LCSD 880-110112/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110112
880-58111-1 MS	S-1 (0-1.0')	Total/NA	Solid	8021B	110112
880-58111-1 MSD	S-1 (0-1.0')	Total/NA	Solid	8021B	110112

Prep Batch: 110112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-58111-2	S-1 (1.5')	Total/NA	Solid	5035	
880-58111-3	S-1 (2.0')	Total/NA	Solid	5035	
880-58111-4	S-1 (3.0')	Total/NA	Solid	5035	
880-58111-5	S-1 (4.0')	Total/NA	Solid	5035	
380-58111-6	S-2 (0-1.0')	Total/NA	Solid	5035	
880-58111-7	S-2 (1.5')	Total/NA	Solid	5035	
380-58111-8	S-2 (2.0')	Total/NA	Solid	5035	
880-58111-9	S-2 (3.0')	Total/NA	Solid	5035	
880-58111-10	S-2 (4.0')	Total/NA	Solid	5035	
880-58111-11	S-2 (5.0')	Total/NA	Solid	5035	
380-58111-12	S-2 (6.0')	Total/NA	Solid	5035	
380-58111-13	S-2 (7.0')	Total/NA	Solid	5035	
380-58111-14	S-2 (8.0')	Total/NA	Solid	5035	
380-58111-15	S-2 (9.0')	Total/NA	Solid	5035	
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	5035	
380-58111-17	S-3 (1.5')	Total/NA	Solid	5035	
880-58111-18	S-3 (2.0')	Total/NA	Solid	5035	

Eurofins Midland

Page 39 of 62

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 110112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-19	S-3 (3.0')	Total/NA	Solid	5035	
880-58111-20	S-3 (4.0')	Total/NA	Solid	5035	
MB 880-110112/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110112/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110112/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58111-1 MS	S-1 (0-1.0')	Total/NA	Solid	5035	
880-58111-1 MSD	S-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 110113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	5035	
880-58111-22	S-4 (1.5')	Total/NA	Solid	5035	
880-58111-23	S-4 (2.0')	Total/NA	Solid	5035	
880-58111-24	S-4 (3.0')	Total/NA	Solid	5035	
880-58111-25	S-4 (4.0')	Total/NA	Solid	5035	
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	5035	
880-58111-27	S-5 (1.5')	Total/NA	Solid	5035	
880-58111-28	S-5 (2.0')	Total/NA	Solid	5035	
880-58111-29	S-5 (3.0')	Total/NA	Solid	5035	
880-58111-30	S-5 (4.0')	Total/NA	Solid	5035	
MB 880-110113/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110113/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110113/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58111-21 MS	S-4 (0-1.0')	Total/NA	Solid	5035	
880-58111-21 MSD	S-4 (0-1.0')	Total/NA	Solid	5035	

Analysis Batch: 110212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58111-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-58111-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-58111-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-58111-5	S-1 (4.0')	Total/NA	Solid	Total BTEX	
880-58111-6	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58111-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-58111-8	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-58111-9	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-58111-10	S-2 (4.0')	Total/NA	Solid	Total BTEX	
880-58111-11	S-2 (5.0')	Total/NA	Solid	Total BTEX	
880-58111-12	S-2 (6.0')	Total/NA	Solid	Total BTEX	
880-58111-13	S-2 (7.0')	Total/NA	Solid	Total BTEX	
880-58111-14	S-2 (8.0')	Total/NA	Solid	Total BTEX	
880-58111-15	S-2 (9.0')	Total/NA	Solid	Total BTEX	
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58111-17	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-58111-18	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-58111-19	S-3 (3.0')	Total/NA	Solid	Total BTEX	
880-58111-20	S-3 (4.0')	Total/NA	Solid	Total BTEX	
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58111-22	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-58111-23	S-4 (2.0')	Total/NA	Solid	Total BTEX	

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 110212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-24	S-4 (3.0')	Total/NA	Solid	Total BTEX	
880-58111-25	S-4 (4.0')	Total/NA	Solid	Total BTEX	
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-58111-27	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-58111-28	S-5 (2.0')	Total/NA	Solid	Total BTEX	
880-58111-29	S-5 (3.0')	Total/NA	Solid	Total BTEX	
880-58111-30	S-5 (4.0')	Total/NA	Solid	Total BTEX	

Analysis Batch: 110227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	8021B	110113
880-58111-22	S-4 (1.5')	Total/NA	Solid	8021B	110113
880-58111-23	S-4 (2.0')	Total/NA	Solid	8021B	110113
880-58111-24	S-4 (3.0')	Total/NA	Solid	8021B	110113
880-58111-25	S-4 (4.0')	Total/NA	Solid	8021B	110113
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	8021B	110113
880-58111-27	S-5 (1.5')	Total/NA	Solid	8021B	110113
880-58111-28	S-5 (2.0')	Total/NA	Solid	8021B	110113
880-58111-29	S-5 (3.0')	Total/NA	Solid	8021B	110113
880-58111-30	S-5 (4.0')	Total/NA	Solid	8021B	110113
MB 880-110113/5-A	Method Blank	Total/NA	Solid	8021B	110113
LCS 880-110113/1-A	Lab Control Sample	Total/NA	Solid	8021B	110113
LCSD 880-110113/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110113
880-58111-21 MS	S-4 (0-1.0')	Total/NA	Solid	8021B	110113
880-58111-21 MSD	S-4 (0-1.0')	Total/NA	Solid	8021B	110113

GC Semi VOA

Analysis Batch: 110100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	110109
880-58111-2	S-1 (1.5')	Total/NA	Solid	8015B NM	110109
880-58111-3	S-1 (2.0')	Total/NA	Solid	8015B NM	110109
880-58111-4	S-1 (3.0')	Total/NA	Solid	8015B NM	110109
880-58111-5	S-1 (4.0')	Total/NA	Solid	8015B NM	110109
880-58111-6	S-2 (0-1.0')	Total/NA	Solid	8015B NM	110109
880-58111-7	S-2 (1.5')	Total/NA	Solid	8015B NM	110109
880-58111-8	S-2 (2.0')	Total/NA	Solid	8015B NM	110109
880-58111-9	S-2 (3.0')	Total/NA	Solid	8015B NM	110109
880-58111-10	S-2 (4.0')	Total/NA	Solid	8015B NM	110109
880-58111-11	S-2 (5.0')	Total/NA	Solid	8015B NM	110109
880-58111-12	S-2 (6.0')	Total/NA	Solid	8015B NM	110109
880-58111-13	S-2 (7.0')	Total/NA	Solid	8015B NM	110109
880-58111-14	S-2 (8.0')	Total/NA	Solid	8015B NM	110109
880-58111-15	S-2 (9.0')	Total/NA	Solid	8015B NM	110109
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	8015B NM	110109
880-58111-17	S-3 (1.5')	Total/NA	Solid	8015B NM	110109
880-58111-18	S-3 (2.0')	Total/NA	Solid	8015B NM	110109
MB 880-110109/1-A	Method Blank	Total/NA	Solid	8015B NM	110109
LCS 880-110109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110109
LCSD 880-110109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110109

Eurofins Midland

9

2

4

6

8

10

12

13

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 110100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58110-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	110109
880-58110-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110109

Analysis Batch: 110103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-19	S-3 (3.0')	Total/NA	Solid	8015B NM	110110
880-58111-20	S-3 (4.0')	Total/NA	Solid	8015B NM	110110
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	8015B NM	110110
880-58111-22	S-4 (1.5')	Total/NA	Solid	8015B NM	110110
880-58111-23	S-4 (2.0')	Total/NA	Solid	8015B NM	110110
880-58111-24	S-4 (3.0')	Total/NA	Solid	8015B NM	110110
880-58111-25	S-4 (4.0')	Total/NA	Solid	8015B NM	110110
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	8015B NM	110110
880-58111-27	S-5 (1.5')	Total/NA	Solid	8015B NM	110110
880-58111-28	S-5 (2.0')	Total/NA	Solid	8015B NM	110110
880-58111-29	S-5 (3.0')	Total/NA	Solid	8015B NM	110110
880-58111-30	S-5 (4.0')	Total/NA	Solid	8015B NM	110110
MB 880-110110/1-A	Method Blank	Total/NA	Solid	8015B NM	110110
LCS 880-110110/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110110
LCSD 880-110110/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110110
880-58111-19 MS	S-3 (3.0')	Total/NA	Solid	8015B NM	110110
880-58111-19 MSD	S-3 (3.0')	Total/NA	Solid	8015B NM	110110

Prep Batch: 110109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58111-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-58111-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-58111-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-5	S-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-58111-6	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58111-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-58111-8	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-58111-9	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-10	S-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-58111-11	S-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-58111-12	S-2 (6.0')	Total/NA	Solid	8015NM Prep	
880-58111-13	S-2 (7.0')	Total/NA	Solid	8015NM Prep	
880-58111-14	S-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-58111-15	S-2 (9.0')	Total/NA	Solid	8015NM Prep	
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58111-17	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-58111-18	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-110109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58110-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58110-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

2

4

6

8

10

12

13

14

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 110110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-58111-19	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-20	S-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58111-22	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-58111-23	S-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-58111-24	S-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-25	S-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-58111-27	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-58111-28	S-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-58111-29	S-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-30	S-5 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-110110/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110110/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110110/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58111-19 MS	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-58111-19 MSD	S-3 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-58111-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-58111-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-58111-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-58111-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-58111-5	S-1 (4.0')	Total/NA	Solid	8015 NM	
880-58111-6	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-58111-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-58111-8	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-58111-9	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-58111-10	S-2 (4.0')	Total/NA	Solid	8015 NM	
880-58111-11	S-2 (5.0')	Total/NA	Solid	8015 NM	
880-58111-12	S-2 (6.0')	Total/NA	Solid	8015 NM	
880-58111-13	S-2 (7.0')	Total/NA	Solid	8015 NM	
880-58111-14	S-2 (8.0')	Total/NA	Solid	8015 NM	
880-58111-15	S-2 (9.0')	Total/NA	Solid	8015 NM	
880-58111-16	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-58111-17	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-58111-18	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-58111-19	S-3 (3.0')	Total/NA	Solid	8015 NM	
880-58111-20	S-3 (4.0')	Total/NA	Solid	8015 NM	
880-58111-21	S-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-58111-22	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-58111-23	S-4 (2.0')	Total/NA	Solid	8015 NM	
880-58111-24	S-4 (3.0')	Total/NA	Solid	8015 NM	
880-58111-25	S-4 (4.0')	Total/NA	Solid	8015 NM	
880-58111-26	S-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-58111-27	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-58111-28	S-5 (2.0')	Total/NA	Solid	8015 NM	
880-58111-29	S-5 (3.0')	Total/NA	Solid	8015 NM	
880-58111-30	S-5 (4.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

2

6

8

3

11

4.0

. .

_ _ _ _

Client: Carmona Resources Job ID: 880-58111-1 Project/Site: Lea Federal Unit 21H SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 110122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	_
880-58111-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-58111-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-58111-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-58111-5	S-1 (4.0')	Soluble	Solid	DI Leach	
880-58111-6	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-58111-7	S-2 (1.5')	Soluble	Solid	DI Leach	
880-58111-8	S-2 (2.0')	Soluble	Solid	DI Leach	
880-58111-9	S-2 (3.0')	Soluble	Solid	DI Leach	
880-58111-10	S-2 (4.0')	Soluble	Solid	DI Leach	
880-58111-11	S-2 (5.0')	Soluble	Solid	DI Leach	
MB 880-110122/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110122/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110122/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58111-2 MS	S-1 (1.5')	Soluble	Solid	DI Leach	
880-58111-2 MSD	S-1 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 110123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-58111-12	S-2 (6.0')	Soluble	Solid	DI Leach	
880-58111-13	S-2 (7.0')	Soluble	Solid	DI Leach	
880-58111-14	S-2 (8.0')	Soluble	Solid	DI Leach	
880-58111-15	S-2 (9.0')	Soluble	Solid	DI Leach	
880-58111-16	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-58111-17	S-3 (1.5')	Soluble	Solid	DI Leach	
880-58111-18	S-3 (2.0')	Soluble	Solid	DI Leach	
880-58111-19	S-3 (3.0')	Soluble	Solid	DI Leach	
880-58111-20	S-3 (4.0')	Soluble	Solid	DI Leach	
880-58111-21	S-4 (0-1.0')	Soluble	Solid	DI Leach	
880-58111-22	S-4 (1.5')	Soluble	Solid	DI Leach	
880-58111-23	S-4 (2.0')	Soluble	Solid	DI Leach	
880-58111-24	S-4 (3.0')	Soluble	Solid	DI Leach	
880-58111-25	S-4 (4.0')	Soluble	Solid	DI Leach	
880-58111-26	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-58111-27	S-5 (1.5')	Soluble	Solid	DI Leach	
880-58111-28	S-5 (2.0')	Soluble	Solid	DI Leach	
880-58111-29	S-5 (3.0')	Soluble	Solid	DI Leach	
880-58111-30	S-5 (4.0')	Soluble	Solid	DI Leach	
MB 880-110123/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110123/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110123/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58111-12 MS	S-2 (6.0')	Soluble	Solid	DI Leach	
880-58111-12 MSD	S-2 (6.0')	Soluble	Solid	DI Leach	
880-58111-22 MS	S-4 (1.5')	Soluble	Solid	DI Leach	
880-58111-22 MSD	S-4 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 110158

Lab Sample ID 880-58111-1	S-1 (0-1.0')	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 110122
880-58111-2	S-1 (1.5')	Soluble	Solid	300.0	110122
880-58111-3	S-1 (2.0')	Soluble	Solid	300.0	110122

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 110158 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-4	S-1 (3.0')	Soluble	Solid	300.0	110122
880-58111-5	S-1 (4.0')	Soluble	Solid	300.0	110122
880-58111-6	S-2 (0-1.0')	Soluble	Solid	300.0	110122
880-58111-7	S-2 (1.5')	Soluble	Solid	300.0	110122
880-58111-8	S-2 (2.0')	Soluble	Solid	300.0	110122
880-58111-9	S-2 (3.0')	Soluble	Solid	300.0	110122
880-58111-10	S-2 (4.0')	Soluble	Solid	300.0	110122
880-58111-11	S-2 (5.0')	Soluble	Solid	300.0	110122
MB 880-110122/1-A	Method Blank	Soluble	Solid	300.0	110122
LCS 880-110122/2-A	Lab Control Sample	Soluble	Solid	300.0	110122
LCSD 880-110122/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110122
880-58111-2 MS	S-1 (1.5')	Soluble	Solid	300.0	110122
880-58111-2 MSD	S-1 (1.5')	Soluble	Solid	300.0	110122

Analysis Batch: 110163

Released to Imaging: 9/16/2025 1:33:47 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58111-12	S-2 (6.0')	Soluble	Solid	300.0	110123
880-58111-13	S-2 (7.0')	Soluble	Solid	300.0	110123
880-58111-14	S-2 (8.0')	Soluble	Solid	300.0	110123
880-58111-15	S-2 (9.0')	Soluble	Solid	300.0	110123
880-58111-16	S-3 (0-1.0')	Soluble	Solid	300.0	110123
880-58111-17	S-3 (1.5')	Soluble	Solid	300.0	110123
880-58111-18	S-3 (2.0')	Soluble	Solid	300.0	110123
880-58111-19	S-3 (3.0')	Soluble	Solid	300.0	110123
880-58111-20	S-3 (4.0')	Soluble	Solid	300.0	110123
880-58111-21	S-4 (0-1.0')	Soluble	Solid	300.0	110123
880-58111-22	S-4 (1.5')	Soluble	Solid	300.0	110123
880-58111-23	S-4 (2.0')	Soluble	Solid	300.0	110123
880-58111-24	S-4 (3.0')	Soluble	Solid	300.0	110123
880-58111-25	S-4 (4.0')	Soluble	Solid	300.0	110123
880-58111-26	S-5 (0-1.0')	Soluble	Solid	300.0	110123
880-58111-27	S-5 (1.5')	Soluble	Solid	300.0	110123
880-58111-28	S-5 (2.0')	Soluble	Solid	300.0	110123
880-58111-29	S-5 (3.0')	Soluble	Solid	300.0	110123
880-58111-30	S-5 (4.0')	Soluble	Solid	300.0	110123
MB 880-110123/1-A	Method Blank	Soluble	Solid	300.0	110123
LCS 880-110123/2-A	Lab Control Sample	Soluble	Solid	300.0	110123
LCSD 880-110123/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110123
880-58111-12 MS	S-2 (6.0')	Soluble	Solid	300.0	110123
880-58111-12 MSD	S-2 (6.0')	Soluble	Solid	300.0	110123
880-58111-22 MS	S-4 (1.5')	Soluble	Solid	300.0	110123
880-58111-22 MSD	S-4 (1.5')	Soluble	Solid	300.0	110123

Eurofins Midland

1-1

3

3

5

9

10

12

1 /

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

Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Job ID: 880-58111-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/14/25 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 04:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 04:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 20:35	CH	EET MID

Lab Sample ID: 880-58111-2

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Client Sample ID: S-1 (1.5')

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.01 g 5 mL 110112 05/14/25 11:05 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 110092 05/14/25 23:09 MNR Total/NA Total BTEX 110212 05/14/25 23:09 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 110232 05/15/25 04:26 SM **EET MID** Total/NA 110109 05/14/25 10:50 FC Prep 8015NM Prep 10.06 g 10 mL **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 110100 05/15/25 04:26 TKC **EET MID** Soluble 5.00 g 05/14/25 11:27 Leach DI Leach 50 mL 110122 SA EET MID Soluble Analysis 300.0 110158 05/14/25 20:41 СН **EET MID**

Client Sample ID: S-1 (2.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Lab Sample ID: 880-58111-3 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/14/25 23:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 04:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 04:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 21:02	CH	EET MID

Client Sample ID: S-1 (3.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Lab Sample ID: 880-58111-4 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/14/25 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/14/25 23:50	SM	EET MID

Job ID: 880-58111-1

SDG: Lea County, New Mexico

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-58111-4

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			110232	05/15/25 05:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 05:00	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 21:09	CH	EET MID

Lab Sample ID: 880-58111-5

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Client Sample ID: S-1 (4.0')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 05:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 05:17	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 21:29	CH	EET MID

Client Sample ID: S-2 (0-1.0') Lab Sample ID: 880-58111-6

Date Collected: 05/13/25 00:00 **Matrix: Solid** Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 05:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 05:32	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		5			110158	05/14/25 21:36	CH	EET MID

Lab Sample ID: 880-58111-7 Client Sample ID: S-2 (1.5')

Date Collected: 05/13/25 00:00 **Matrix: Solid** Date Received: 05/13/25 17:03

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 05:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 05:49	TKC	EET MID

Eurofins Midland

Released to Imaging: 9/16/2025 1:33:47 PM

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Lab Sample ID: 880-58111-7

Client Sample ID: S-2 (1.5')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Matrix: Solid

SDG: Lea County, New Mexico

Job ID: 880-58111-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 21:43	CH	EET MID

Client Sample ID: S-2 (2.0') Lab Sample ID: 880-58111-8

Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 06:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 06:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		5			110158	05/14/25 21:49	CH	EET MID

Client Sample ID: S-2 (3.0') Lab Sample ID: 880-58111-9 Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 110112 05/14/25 11:05 MNR **EET MID** Total/NA 8021B 5 mL 5 mL 110092 05/15/25 01:32 MNR **EET MID** Analysis Total/NA Analysis Total BTEX 1 110212 05/15/25 01:32 SM **EET MID** Total/NA Analysis 8015 NM 1 110232 05/15/25 06:37 SM **EET MID** Total/NA Prep 8015NM Prep 10.09 g 10 mL 110109 05/14/25 10:50 FC EET MID Total/NA Analysis **EET MID** 8015B NM 1 1 uL 1 uL 110100 05/15/25 06:37 TKC

Client Sample ID: S-2 (4.0') Lab Sample ID: 880-58111-10

5

5.01 g

50 mL

110122

110158

05/14/25 11:27

05/14/25 21:56

SA

CH

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 01:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 06:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 06:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 22:03	CH	EET MID

Eurofins Midland

Matrix: Solid

EET MID

EET MID

 000	00				
M	atrix	C:	Sc	olid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 03:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 03:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 07:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 07:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110122	05/14/25 11:27	SA	EET MID
Soluble	Analysis	300.0		1			110158	05/14/25 22:10	CH	EET MID

Lab Sample ID: 880-58111-12

Client Sample ID: S-2 (6.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 03:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 03:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 07:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110109	05/14/25 10:50	FC	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 07:27	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	110123	05/14/25 11:29	SA	EET MIC
Soluble	Analysis	300.0		1			110163	05/15/25 09:54	SMC	EET MIC

Lab Sample ID: 880-58111-13

Matrix: Solid

Client Sample ID: S-2 (7.0') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 07:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 07:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 10:09	SMC	EET MID

Client Sample ID: S-2 (8.0') Date Collected: 05/13/25 00:00

Lab Sample ID: 880-58111-14

Date Received: 05/13/25 17:03

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 04:28	SM	EET MID

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

Lab Sample ID: 880-58111-14

Matrix: Solid

Client Sample ID: S-2 (8.0') Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			110232	05/15/25 08:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 08:00	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 10:15	SMC	EET MID

Lab Sample ID: 880-58111-15

Matrix: Solid

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

Client Sample ID: S-2 (9.0')

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab Total/NA 5035 Prep 4.99 g 5 mL 110112 05/14/25 11:05 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 110092 05/15/25 04:49 MNR **EET MID** 1 Total/NA Total BTEX Analysis 1 110212 05/15/25 04:49 SM **EET MID** Total/NA Analysis 8015 NM 110232 05/15/25 08:15 SM **EET MID** Total/NA Prep 8015NM Prep 10.05 g 10 mL 110109 05/14/25 10:50 FC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 110100 05/15/25 08:15 TKC **EET MID** Soluble Leach DI Leach 5.03 g 50 mL 110123 05/14/25 11:29 SA **EET MID** Soluble Analysis 300.0 1 110163 05/15/25 10:20 SMC **EET MID**

Client Sample ID: S-3 (0-1.0') Lab Sample ID: 880-58111-16

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 05:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 08:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 08:33	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		5			110163	05/15/25 10:25	SMC	EET MID

Client Sample ID: S-3 (1.5') Lab Sample ID: 880-58111-17

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 05:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 08:49	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.08 g 1 uL	10 mL 1 uL	110109 110100	05/14/25 10:50 05/15/25 08:49	FC TKC	EET MID EET MID

Eurofins Midland

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-17

Matrix: Solid

Matrix: Solid

Client Sample ID: S-3 (1.5') Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 10:41	SMC	EET MID

Client Sample ID: S-3 (2.0') Lab Sample ID: 880-58111-18

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 05:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/15/25 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	110109	05/14/25 10:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110100	05/15/25 09:05	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		5			110163	05/15/25 10:46	SMC	EET MID

Client Sample ID: S-3 (3.0') Lab Sample ID: 880-58111-19

Date Collected: 05/13/25 00:00 **Matrix: Solid** Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 06:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 19:02	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		5			110163	05/15/25 10:51	SMC	EET MID

Client Sample ID: S-3 (4.0') Lab Sample ID: 880-58111-20

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110112	05/14/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110092	05/15/25 06:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 06:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 19:50	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 10:56	SMC	EET MID

Eurofins Midland

Released to Imaging: 9/16/2025 1:33:47 PM

Client: Carmona Resources Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

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

Lab Sample ID: 880-58111-21

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 15:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 20:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 20:06	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:01	SMC	EET MID

Client Sample ID: S-4 (1.5') Lab Sample ID: 880-58111-22

Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 20:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 20:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:06	SMC	EET MID

Client Sample ID: S-4 (2.0')

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 20:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:22	SMC	EET MID

Client Sample ID: S-4 (3.0') Lab Sample ID: 880-58111-24

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 16:36	SM	EET MID

Eurofins Midland

Page 52 of 62

Matrix: Solid

Lab Sample ID: 880-58111-23

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

Client Sample ID: S-4 (3.0')

Lab Sample ID: 880-58111-24

Matrix: Solid

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			110232	05/14/25 20:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:27	SMC	EET MID

Client Sample ID: S-4 (4.0')

Date Collected: 05/13/25 00:00

Lab Sample ID: 880-58111-25

Matrix: Solid

Date Collected: 05/13/25 00:00
Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 21:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 21:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:43	SMC	EET MID

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

Lab Sample ID: 880-58111-26

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 21:26	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:48	SMC	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-58111-27

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 21:43	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	110110 110103	05/14/25 10:55 05/14/25 21:43	FC TKC	EET MID EET MID

Eurofins Midland

3

4

7

9

10

12

14

Matrix: Solid

inio midiani

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H Client Sample ID: S-5 (1.5')

Date Collected: 05/13/25 00:00

Date Received: 05/13/25 17:03

SDG: Lea County, New Mexico

Lab Sample ID: 880-58111-27

Matrix: Solid

Job ID: 880-58111-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:53	SMC	EET MID

Client Sample ID: S-5 (2.0') Lab Sample ID: 880-58111-28

Date Collected: 05/13/25 00:00 Matrix: Solid

Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 17:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 21:59	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 11:58	SMC	EET MID

Client Sample ID: S-5 (3.0') Lab Sample ID: 880-58111-29

Date Collected: 05/13/25 00:00 **Matrix: Solid**

Date Received: 05/13/25 17:03

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 110113 05/14/25 11:07 MNR **EET MID** Total/NA 8021B 5 mL 5 mL 05/15/25 18:19 MNR **EET MID** Analysis 110227 Total/NA Analysis Total BTEX 1 110212 05/15/25 18:19 SM **EET MID** Total/NA Analysis 8015 NM 1 110232 05/14/25 22:30 SM **EET MID** Total/NA Prep 8015NM Prep 10.06 g 10 mL 110110 05/14/25 10:55 FC EET MID Total/NA Analysis **EET MID** 8015B NM 1 uL 1 uL 110103 05/14/25 22:30 TKC Soluble Leach DI Leach 4.95 g 50 mL 110123 05/14/25 11:29 SA EET MID Soluble Analysis 300.0 1 110163 05/15/25 12:04 SMC **EET MID**

Client Sample ID: S-5 (4.0') Lab Sample ID: 880-58111-30

Date Collected: 05/13/25 00:00 Date Received: 05/13/25 17:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	110113	05/14/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110227	05/15/25 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110212	05/15/25 18:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			110232	05/14/25 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	110110	05/14/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110103	05/14/25 22:47	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	110123	05/14/25 11:29	SA	EET MID
Soluble	Analysis	300.0		1			110163	05/15/25 12:09	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Project/Site: Lea Federal Unit 21H

Job ID: 880-58111-1 SDG: Lea County, New Mexico

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-58111-1

Project/Site: Lea Federal Unit 21H

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-25
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t mav include analyte
0 ,	oes not offer certification.	· · · · · · · · · · · · · · · · · · ·	, g	· · · · · · · · · · · · · · · · · · ·
0 ,		Matrix	Analyte	,,
for which the agency d	oes not offer certification.	•	, , ,	

4

6

9

44

12

14

Method Summary

Client: Carmona Resources Project/Site: Lea Federal Unit 21H Job ID: 880-58111-1

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: Lea Federal Unit 21H

S

Job ID: 880-58111	-1	
SDG: Lea County, New Mexic	СО	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58111-1	S-1 (0-1.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-2	S-1 (1.5')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-3	S-1 (2.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-4	S-1 (3.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-5	S-1 (4.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-6	S-2 (0-1.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-7	S-2 (1.5')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-8	S-2 (2.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-9	S-2 (3.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-10	S-2 (4.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-11	S-2 (5.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-12	S-2 (6.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-13	S-2 (7.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-14	S-2 (8.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-15	S-2 (9.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-16	S-3 (0-1.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-17	S-3 (1.5')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-18	S-3 (2.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-19	S-3 (3.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-20	S-3 (4.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-21	S-4 (0-1.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-22	S-4 (1.5')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-23	S-4 (2.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-24	S-4 (3.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-25	S-4 (4.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-26	S-5 (0-1.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-27	S-5 (1.5')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-28	S-5 (2.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-29	S-5 (3.0')	Solid	05/13/25 00:00	05/13/25 17:03
880-58111-30	S-5 (4.0')	Solid	05/13/25 00:00	05/13/25 17:03

Page 59 of 62

otal Containers:

Sample Custody Seals: Cooler Custody Seals:

SAMPLE RECEIPT

Received Intact:

Sampler's Name:

Od

Project Location Project Number:

Project Name:

S-1 (0-1.0') S-1 (1.5') S-1 (3.0°)

S-1 (4.0')

S-1 (2.0')

S-2 (0-1.0')

S-2 (1.5°)

S-2 (2.0') S-2 (3.0°)

S-2 (4.0')

Project Manager.

Company Name:

City, State ZIP:

Address:

Work Order No:

Chain of Custody

13 14

5

DI Water: H₂O MeOH: Me HNO₃: HN NaOH: Na Derfund Level IV Preservative Codes NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time 5 Zn Acetate+NaOH: Zn NaHSO4: NABIS Na2S2O3: NaSO3 R_R Other: Program: UST/PST PRP | Irownfields | RC H₃PO₄; HP Cool: Cool HCL: HC H₂SO₄: H₂ Page_ None: NO ADaPT рюн Deliverables: EDD kepelved by: (Signature) State of Project: ANALYSIS REQUEST 600 N Marienfield St, Suite 600 Email: laci.luiq@coterra.com & ashton.thielke@coterra.com × × × × × × Chloride 300.0 Cimarex Energy Date/Time × × × TPH 8015M (GRO + DRO + MRO) × Laci Luig × × BTEX 8021B # of Cont Pres. Parameters Grab/ Comp G Company Name ပ Ö O O ტ O G O ග Bill to: (if different) Standard City, State ZIP: ŝ Rush Yes Address: Water **Turn Around** Wet Ice: Due Date: Soil ☑ Routine × × × × × × × × Corrected Temperature: Temperature Reading: Correction Factor: Thermometer ID: Relinquished by: (Signature) Yes No Time ea County, New Mexico Lea Federal Unit 21H 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 JR/GPJ N/A Date Yes No N/A Temp Blank: 310 W Wall St Ste 500 Yes No Carmona Resources Yes No Midland, TX 79701 Ashton Thielke 432-813-8988 Sample Identification S-3 (1.5') S-2 (9.0') S-3 (0-1.0') S-3 (3.0°) S-2 (6.0') S-3 (4.0') SAMPLE RECEIPT S-2 (5.0°) S-2 (7.0') S-2 (8.0°) S-3 (2.0') Sample Custody Seals: Cooler Custody Seals: Sampler's Name: Total Containers: Project Manager Company Name Project Location Received Intact: Project Number City, State ZIP: comments: Project Name: Phone: PO#

Page 60 of 62

ō

Work Order No:

Chain of Custody

13 14

5/16/2025

5

DI Water: H₂O MeOH: Me HNO₃: HN NaOH: Na * perfund Level IV Preservative Codes NaOH+Ascorbic Acid: SAPC Sample Comments Date/Time Zn Acetate+NaOH: Zn Na2S2O3: NaSO3 NaHSO4: NABIS ☐ RP Program: UST/PST PRP | rownfields | RC Cool: Cool HCL: HC H₂S0₄: H₂ H₃PO₄: HP None: NO ADaPT Reporting: Level II Level III ST/UST рюн Deliverables: EDD Received by: (Signature) State of Project: ANALYSIS REQUEST 600 N Marienfield St, Suite 600 Email: laci.luig@coterra.com & ashton.thielke@coterra.com Midland, TX 79701 × × × × × × × × × Chloride 300.0 Cimarex Energy TPH 8015M (GRO + DRO + MRO) × × × Date/Time × × × Laci Luig × × × × × B1508 X3T8 × # of Cont Pres. Code Parameters Comp Grab/ Company Name: ပ ပ ပ ഗ ပ ပြ ပြ ပ Bill to: (if different) ပ Ö Standard City, State ZIP: ž Address: Rush Yes Water Turn Around Wet Ice: Due Date: Soil ☑ Routine × × × × × × × × × × Corrected Temperature: Temperature Reading: Correction Factor: Thermometer ID: Relinquished by: (Signature) ŝ Time Yes Lea County, New Mexico Lea Federal Unit 21H 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 5/13/2025 JR/GPJ Yes No N/A 2716 Date 310 W Wall St Ste 500 Temp Blank: ŝ Carmona Resources Midland, TX 79701 Yes Ashton Thielke 432-813-8988 Sample Identification S-4 (2.0°) S-5 (0-1.0') S-5 (1.5') S-5 (2.0°) S-5 (4.0°) S-4 (0-1.0') S-4 (1.5') S-4 (4.0') SAMPLE RECEIPT S-4 (3.0') S-5 (3.0°) Sample Custody Seals: Cooler Custody Seals: Project Manager: Sampler's Name: Company Name: Total Containers: Project Location Project Number. Received Intact: City, State ZIP: Project Name: omments Address: Phone: # Od

Page 61 of 62

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58111-1

SDG Number: Lea County, New Mexico

Login Number: 58111 List Source: Eurofins Midland
List Number: 1

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	

-

2

3

4

6

<u>۾</u>

111

13

14



June 10, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: LEA UNIT 44H

Enclosed are the results of analyses for samples received by the laboratory on 06/05/25 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax

Received: 06/05/2025 Sampling Date: 06/05/2025

Reported: 06/10/2025 Sampling Type: Soil

Project Name: LEA UNIT 44H Sampling Condition: Cool & Intact
Project Number: 2717 Sample Received By: Alyssa Parras

A I J D. ... 711

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: H-1 (0-0.5') (H253379-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	77.0	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.7	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreene



Analytical Results For:

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

Received: 06/05/2025 Reported:

06/10/2025 LEA UNIT 44H

Project Name: Project Number: 2717

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO Sampling Date: 06/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: H-2 (0-0.5') (H253379-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	69.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	66.7	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

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

Received: 06/05/2025

06/10/2025

Project Name: LEA UNIT 44H

Project Number: 2717

Reported:

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO Sampling Date: 06/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: H-3 (0-0.5') (H253379-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	56.7	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	52.7	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Received: 06/05/2025

Sampling Date: 06/05/2025

Reported: 06/10/2025 Project Name: LEA UNIT 44H Sampling Type: Soil

Project Number: 2717

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: H-4 (0-0.5') (H253379-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/09/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/09/2025	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	86.5	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreine



Analytical Results For:

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

Received: 06/05/2025 Reported: 06/10/2025

 06/05/2025
 Sampling Date:
 06/05/2025

 06/10/2025
 Sampling Type:
 Soil

Project Name: LEA UNIT 44H

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Number: 2717

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: H-5 (0-0.5') (H253379-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	68.1	% 44.4-14	25						
Surrogate: 1-Chlorooctadecane	63.6	% 40.6-15	3						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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

Celeg & Frence



Analytical Results For:

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

Received: 06/05/2025 Reported:

06/10/2025

Project Name: LEA UNIT 44H 2717

Project Number:

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO Sampling Date: 06/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: H-6 (0-0.5') (H253379-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/06/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	59.6	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	54.5	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST, SUITE 500 MIDLAND TX, 79701

Fax To:

Received: 06/05/2025 Sampling Date: 06/05/2025 Sampling Type: Soil

Reported: 06/10/2025 Project Name: LEA UNIT 44H

Sampling Condition: Cool & Intact

Project Number: 2717 Sample Received By: Alyssa Parras

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: H-7 (0-0.5') (H253379-07)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.15	107	2.00	2.42	
Toluene*	<0.050	0.050	06/06/2025	ND	2.17	108	2.00	2.00	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.12	106	2.00	1.80	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.32	105	6.00	2.10	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/06/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	216	108	200	0.997	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	212	106	200	0.109	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	72.4	% 40.6-15	3						

Analyzed Ry: 1H

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

	11		S	П		7		11-			1	1		Tota	San	Coo	Rec	SA	PO#:	Sam	Proje	Proje	Proje	Phone:	City,	Address:	Com	Proje			n
			Comments:			H-7 (0	H-6 (0-0.5')	H-5 (0-0.5")	H-4 (0-0.5')	H-3 (0-0.5')	H-2 (0-0.5')	H-1 (0-0.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	.#	Sampler's Name:	Project Location	Project Number:	Project Name:	ne:	City, State ZIP:	ess:	Company Name:	Project Manager:			
•						H-7 (0-0.5'))-0.5'))-0.5'))-0.5'))-0.5'))-0.5')	-0.5")	ntification		als:	. Is:		PT						432-813-8988	Midland, TX 79701	310 W Wa	Carmona Resources	Ashton Thielke			
	Du 1	- Relin				/6/	6/	6/	6/	. 6/	6/	6/			Yes No	Yes Mo	Yes No	Temp Blank:			Lea County, New Mexico	2	Leal	988	X 79701	310 W Wall St Ste 500	Resources	ielke			
	8	quished by				6/5/2025	6/5/2025	6/5/2025	6/5/2025	6/5/2025	6/5/2025	6/5/2025	Date	0	NA					JDC	, New Mex	2717 ·	Lea Unit 44H			0					
		Relinquished by: (Signature)											Time	Corrected Temperature:	l emperature readility.	Correction Factor:	Thermometer ID:	Yes No			tico										
	•	3)				×	×	×	×	×	×	×	Soil	perature:	keauiig.	tor:		Wet Ice:			Due Date:	Routine		Е							
													Water	7		7	# 140			1	F	Rush	urn Aı	Email: aci.luig@coterra.com & ashton.thielke@coterra.com	City, St	Address:	Compa	Bill to:			
•						G	G	G	G	G	G	G	Comp	10	100	いかいと	30	Yes No	1		72 hr	hsh		g@coterra	City, State ZIP:	is:	Company Name:	Bill to: (if different)			3
			4 ×			_		1	_		_	_	Cont				Para	amet	ters			Code	Pres.	.com & as	N	6		-			Chain of Custody
		Date/Time				×	×	×	×	×	×	×	-					021B	-			-	-	shton.th	lidland,	00 N Ma	Cimarex Energy	Laci Luig			0
		me		-	++	×	+	+	+	+-	+	\vdash		PH 8	_		-	+ DF		MR		+	-	nielke(Midland, TX 79701	arienfie	Energy				SCO
				$\ -$		×	· ×	×	×	×	×	×				Chic	oriae	4500				+	,	ocoteri	01	600 N Marienfield St, Suite 600		1			Š
				\parallel	\blacksquare		-	1.	\vdash	-	+	-			_							+		a.com		lite 600					
	2					+	+	+	+	+	+	-			-2.01							+	ANA								
	2				\dagger		t		1	1		T										T	ANALYSIS REQUEST					ł			
٠.	5	Rece														1 8							REQU								
	8	Received by: (Signature)										-								1 4		-	EST	Deliverables.	Reporting: EDD	Deporting level I	Program: USI/PSI LPRP Lirowniields Linco				
		: (Sign			$\perp \downarrow$	1	-	\downarrow	+	+	+	-	-		•	_				1		-		DIC 0.	bles. E		n: USI	1			
		ature)		\parallel	+	-	+	+	+	+	+	+		_					_			+				<u>.</u>	1 2	7		Work	
				\parallel	+		+	+	+	+	+	+	+		6							+					לא. ד	VOIK		Orde	
					T			T	+	T	1	T					Но	ld							ADAPT	TSINTS	Frown	rder		r No:	
										T			· co		NaOH-	Zn Ace	Na ₂ S ₂ (NaHSO ₄ : N	, Ca	H-SO.: H-	C001: C001	NOTE: NO		1000			neids	Work Order Comments	Page	Work Order No:	
	<u></u>												ample		Ascorb	tate+Na	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	ם ,	Ţ (0 8	. 6	eserva		Other	RRP	, and	Dag.		S	
	200	Date								×			Sample Comments		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	ي ص	S		NaO	NeC		Preservative Codes			ng.			- of	N	
	1505/1505	Date/Time											nents		SAPC					NaOH: Na	MeOH: Me	DI VValci. 1120	odes	-		Level IV	Johnnadi	hind	_	70	
L.																	_					([_] 	70 10 0	



June 06, 2025

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: LEA UNIT 44H

Enclosed are the results of analyses for samples received by the laboratory on 06/05/25 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/05/2025 Reported: 06/06/2025

Sampling Date:

Sampling Type: Soil

Project Name: LEA UNIT 44H

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

06/05/2025

Project Number: 2717
Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: CS-1 (1.5') (H253381-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2025	ND	203	102	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/05/2025	ND	201	100	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/05/2025	ND					
Surrogate: 1-Chlorooctane	82.3	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	84.4	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

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

Received: 06/05/2025

Sampling Date: 06/05/2025 Sampling Type: Soil

Reported: Project Name: 06/06/2025 LEA UNIT 44H

Sampling Condition: Cool & Intact

Project Number: 2717 Sample Received By:

Alyssa Parras

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: CS-2 (1.5') (H253381-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	203	102	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	57.9	% 44.4-14	5						
Cumpagata, 1 Chlomocatadosano	562	0/ 10 6 15	2						

Surrogate: 1-Chlorooctadecane 56.3 % 40.6-153

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



06/05/2025

Cool & Intact

Alyssa Parras

Soil

Analytical Results For:

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

Received: 06/05/2025 Reported:

Sampling Date: 06/06/2025 Sampling Type:

Sampling Condition:

Project Name: LEA UNIT 44H

Project Number: 2717 Sample Received By: Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: SW-1 (1.5') (H253381-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	203	102	200	2.67	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	69.2	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	70.9	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene



Analytical Results For:

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

Received: 06/05/2025 Reported:

Sampling Date: 06/05/2025 06/06/2025 Sampling Type: Soil

Project Name: LEA UNIT 44H Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Project Number: 2717

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: SW-2 (1.5') (H253381-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.4-14	5						
Surrogate: 1-Chlorooctadecane	92.9	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

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

Received: 06/05/2025 Reported: 06/06/2025

06/06/2025

Project Name: LEA UNIT 44H
Project Number: 2717

Project Number: 2717

Sampling Date: 06/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: SW-3 (1.5') (H253381-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	96.2	% 44.4-14	75						
Surrogate: 1-Chlorooctadecane	93.5	% 40.6-15	3						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

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

Received: 06/05/2025 Reported:

06/06/2025 LEA UNIT 44H

Project Name: Project Number: 2717

Sampling Date: 06/05/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Project Location: CIMAREX-LEA COUNTY, NEW MEXICO

Sample ID: SW-4 (1.5') (H253381-06)

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2025	ND	2.27	113	2.00	3.05	
Toluene*	<0.050	0.050	06/06/2025	ND	2.07	104	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.07	103	2.00	3.73	
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.36	106	6.00	3.75	
Total BTEX	<0.300	0.300	06/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/06/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	212	106	200	0.820	
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	199	99.3	200	0.575	
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.4-14	15						
Surrogate: 1-Chlorooctadecane	91.7	% 40.6-15	3						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

City, State ZIP:

Midland, TX 79701

City, State ZIP:

Midland, TX 79701

Reporting:Level II Level III ST/UST

RRP

□Level IV □

Address:

Project Manager: Company Name:

Chain of Custody Work Order No: H255387 of of work Order No: H255387 of of open common Resources Carmona Resources Bill to: (if different)									
hain of Custody Work Order No: ##353387 50 50 50 50 50 50 50 50 50 50 50 50 50	310 W Wall St Ste 500	Carmona Resources	Asnton I nielke	1					
hain of Custody Work Order No: ##353387 50 50 50 50 50 50 50 50 50 50 50 50 50									
Work Order No: ##353387 50 50 50 50 50 50 50 50 50 50 50 50 50	Address:	Company Name:	Bill to: (if different)					200	,
Vork Order No: HASS3389 9999 9999 99999999999999999999999	600 N Marienfield St, Suite 600	Cimarex Energy	Laci Luig					Custody	
	State of Project:	Program: UST/PST PRP Irownfields RC Iperfund	Work Order Comments	Page1 of1					n
					Pa	ige	9 of	9	_

	•		Comments:				SW-4 (1.5')	SW-3 (1.5')	SW-2 (1.5')	SW-1 (1.5')	CS-2 (1.5')	CS-1 (1.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 432-813-8988
april on	Comiduation	Relinguished			P		6/5/2025	6/5/2025	6/5/2025	6/5/2025	6/5/2025	6/5/2025	Date		Yes (No) N/A	Yes (No) N/A	Yes No	Temp Blank:		JDC	Lea County, New Mexico	2717	Lea Unit 44H	8988
	by. (Olgilatuic)	Relinguished by: (Signature)											Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No)		Mexico		•	
							×	×	×	×	×	×	Soil	erature:	ading:	ה		Wet Ice:			Due Date:	Routine	Turn /	Email:
	•						C	0	C	C	С	C	Water Comp	5.6-	3.8.5	CHOK!	# NUT	Yes No			24 hr	✓ Rush	Turn Around	Email: laci.luig@coterra.com & ashton.thielke@coterra.com
							_	_	_	_	_	1	# of Cont		l	Pa	aran	nete	rs			Pres.	1	a.com &
	Jaic/ IIII	Date/Time				-	×	\vdash	×	×	×	×	TDI	H 801	_	7	802) + N	APO				ashton.th
	i	TD				+	×		×	×	×	×			-		de 4				,			ielke@c
Change Change		R,								•				•			3						- ANALYSIS REQUEST	oterra.com
	veceiven ny. (oigilainie)	aceived hv. (Signature)																					EQUEST	Deliverables: EDD
				Н	+		+									Н	old							ADa
- C	-												Sample	NaOH+Ascor	Zn Acetate+NaOH: Zn			H₃PO₄: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NQ	Preser	ADaPT Other:
15 92/1502	Date/Time	Dato/Timo								•			Sample Comments	NaOH+Ascorbic Acid: SAPC	laOH: Zn	5O ₃	SIS		NaOH: Na	HNO ₃ : HN	MeOH: Me	DI Water: H ₂ O ·	Preservative Codes -	er .

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/11/2025 12:29:27 PM

JOB DESCRIPTION

Lea Unit 44H Lea County, New Mexico

JOB NUMBER

880-59113-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 6/11/2025 12:29:27 PM

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

13

Client: Carmona Resources Project/Site: Lea Unit 44H Laboratory Job ID: 880-59113-1 SDG: Lea County, New Mexico

Table of Contents

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

2

3

4

6

8

10

11 10

13

Definitions/Glossary

Client: Carmona Resources

Job ID: 880-59113-1

Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

2

Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

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: Lea Unit 44H Job ID: 880-59113-1

Job ID: 880-59113-1 Eurofins Midland

Job Narrative 880-59113-1

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 6/9/2025 3:32 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill (880-59113-1).

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

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111853 and analytical batch 880-111854 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: Backfill (880-59113-1), (880-59089-A-1-A), (880-59089-A-1-B MS) and (880-59089-A-1-C MSD).

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

Eurofins Midland

2

3

4

6

9

11

Client: Carmona Resources

Job ID: 880-59113-1
Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

Client Sample ID: Backfill

Date Collected: 06/09/25 00:00 Date Received: 06/09/25 15:32 Lab Sample ID: 880-59113-1

Matrix: Solid

Method: SW846 8021B - Volatile	e Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/25 09:35	06/10/25 11:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/10/25 09:35	06/10/25 11:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/10/25 09:35	06/10/25 11:43	1
- Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/25 11:43	1
- Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/11/25 02:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 02:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 02:24	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				06/10/25 09:02	06/11/25 02:24	1
o-Terphenyl (Surr)	94		70 ₋ 130				06/10/25 09:02	06/11/25 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.0	9.90	mg/Kg			06/10/25 10:44	1

Eurofins Midland

2

5

7

9

11

12

Surrogate Summary

Client: Carmona Resources Job ID: 880-59113-1 Project/Site: Lea Unit 44H SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

•				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-59113-1	Backfill	102	99	
880-59113-1 MS	Backfill	93	90	
880-59113-1 MSD	Backfill	92	90	
LCS 880-111868/1-A	Lab Control Sample	93	88	
LCSD 880-111868/2-A	Lab Control Sample Dup	93	90	
MB 880-111868/5-A	Method Blank	95	94	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ne (Surr)			
DFBZ = 1,4-Difluorobenzen	ne (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-59113-1	Backfill	100	94
880-59113-1 MS	Backfill	108	96
880-59113-1 MSD	Backfill	109	97
LCS 880-111864/2-A	Lab Control Sample	78	83
LCSD 880-111864/3-A	Lab Control Sample Dup	99	85
MB 880-111864/1-A	Method Blank	85	83

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Client: Carmona Resources

Job ID: 880-59113-1

Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111868/5-A

Matrix: Solid

Analysis Batch: 111858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111868

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/10/25 09:3	06/10/25 11:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/10/25 09:3	5 06/10/25 11:21	1

Lab Sample ID: LCS 880-111868/1-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 111858

Prep Type: Total/NA Prep Batch: 111868

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1063 mg/Kg 106 70 - 130 Toluene 0.100 0.09667 mg/Kg 97 70 - 130 0.100 Ethylbenzene 0.1017 mg/Kg 102 70 - 130 0.200 103 70 - 130 m-Xylene & p-Xylene 0.2055 mg/Kg 0.100 0.1013 101 o-Xylene mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: LCSD 880-111868/2-A

Matrix: Solid

Analysis Batch: 111858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111868

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1104 mg/Kg 110 70 - 130 35 Toluene 0.100 0.09886 mg/Kg 99 70 - 130 2 35 Ethylbenzene 0.100 0.1044 mg/Kg 104 70 - 130 3 35 0.200 m-Xylene & p-Xylene 0.2108 mg/Kg 105 70 - 130 35 0.100 0.1057 o-Xylene mg/Kg 106 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1.4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-59113-1 MS

Matrix: Solid

Analysis Batch: 111858

Client Sample ID: Backfill Prep Type: Total/NA

Prep Batch: 111868

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1093		mg/Kg		109	70 - 130	
Toluene	<0.00200	U	0.100	0.09436		mg/Kg		94	70 - 130	

Eurofins Midland

2

4

6

8

46

11

13

Client: Carmona Resources Project/Site: Lea Unit 44H

Job ID: 880-59113-1 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-59113-1 MS

Analysis Batch: 111858

Client Sample ID: Backfill **Matrix: Solid** Prep Type: Total/NA **Prep Batch: 111868**

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.100 0.09855 99 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00399 0.200 0.2004 mg/Kg 100 70 - 130 0.100 o-Xylene <0.00200 U 0.1003 70 - 130 mg/Kg 100

MS MS

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	90	70 - 130

Lab Sample ID: 880-59113-1 MSD

Client Sample ID: Backfill **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 111858 **Prep Batch: 111868** Spike MSD MSD %Rec

Sample Sample Result Qualifier Added Result Qualifier RPD Limit Analyte %Rec Limits Unit Benzene <0.00200 U 0.100 0.1004 mg/Kg 100 70 - 130 8 35 0.09152 Toluene <0.00200 U 0.100 mg/Kg 92 70 - 130 3 35 Ethylbenzene <0.00200 U 0.100 0.09301 93 70 - 130 6 35 mg/Kg 0.200 0.1888 35 m-Xylene & p-Xylene <0.00399 U mq/Kq 70 - 130 6 <0.00200 U 0.100 0.09557 96 70 - 130 o-Xylene mg/Kg 5

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-111864/1-A

Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 111864 Analysis Batch: 111872 MB MB

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte Gasoline Range Organics 50.0 06/10/25 09:02 06/11/25 01:37 <50.0 U mg/Kg (GRO)-C6-C10 06/10/25 09:02 06/11/25 01:37 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 06/10/25 09:02 06/11/25 01:37 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	06/10/25 09:02	06/11/25 01:37	1
o-Terphenyl (Surr)	83		70 - 130	06/10/25 09:02	06/11/25 01:37	1

Lab Sample ID: LCS 880-111864/2-A

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 111872 Prep Batch: 111864

	Spike	LUS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	875.1		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	928.3		mg/Kg		93	70 - 130	
C10-C28)								

Client Sample ID: Lab Control Sample

Client: Carmona Resources Job ID: 880-59113-1 Project/Site: Lea Unit 44H SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-111864/2-A

Matrix: Solid

Analysis Batch: 111872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111864

LCS LCS

%Recovery Qualifier Surrogate Limits 1-Chlorooctane (Surr) 78 70 - 130 o-Terphenyl (Surr) 83 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111864

Lab Sample ID: LCSD 880-111864/3-A **Matrix: Solid**

Analysis Batch: 111872

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	901.1		mg/Kg		90	70 - 130	3	20
(GRO)-C6-C10 Diesel Range Organics (Over	1000	904.8		mg/Kg		90	70 - 130	3	20
C10-C28)	1000	904.0		mg/Kg		90	70 - 130	3	20

LCSD LCSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane (Surr)	99	70 - 130
o-Terphenyl (Surr)	85	70 - 130

Client Sample ID: Backfill Lab Sample ID: 880-59113-1 MS

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 111872 **Prep Batch: 111864**

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.8	U	998	704.2		mg/Kg		71	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.8	U	998	850.3		mg/Kg		85	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenvl (Surr)	96		70 - 130

Lab Sample ID: 880-59113-1 MSD Client Sample ID: Backfill

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 111872 Prep Batch: 111864

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.8	U	998	707.6		mg/Kg		71	70 - 130	0	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.8	U	998	846.0		mg/Kg		85	70 - 130	1	20	
C40 C20\												

C10-C28)

	INISD	MISD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Med Med

QC Sample Results

Client: Carmona Resources Job ID: 880-59113-1 Project/Site: Lea Unit 44H SDG: Lea County, New Mexico

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111853/1-A

Matrix: Solid

Analysis Batch: 111854

мв мв

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 06/10/25 08:51

Lab Sample ID: LCS 880-111853/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 111854

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 244.1 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-111853/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 111854

LCSD LCSD Spike

%Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 244.9 mg/Kg 90 - 110

Lab Sample ID: 880-59089-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 111854

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits Chloride 156 F1 251 461.6 F1 122 90 - 110 mg/Kg

Lab Sample ID: 880-59089-A-1-C MSD

Matrix: Solid

Analysis Batch: 111854

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 156 F1 251 458.0 F1 mg/Kg 120 90 - 110 20

QC Association Summary

Client: Carmona Resources

Job ID: 880-59113-1
Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 111858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Total/NA	Solid	8021B	111868
MB 880-111868/5-A	Method Blank	Total/NA	Solid	8021B	111868
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	8021B	111868
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111868
880-59113-1 MS	Backfill	Total/NA	Solid	8021B	111868
880-59113-1 MSD	Backfill	Total/NA	Solid	8021B	111868

Prep Batch: 111868

Lab Sample ID 880-59113-1	Client Sample ID Backfill	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batcl
MB 880-111868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59113-1 MS	Backfill	Total/NA	Solid	5035	
880-59113-1 MSD	Backfill	Total/NA	Solid	5035	

Analysis Batch: 111995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-111864/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111864/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59113-1 MS	Backfill	Total/NA	Solid	8015NM Prep	
880-59113-1 MSD	Backfill	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Total/NA	Solid	8015B NM	111864
MB 880-111864/1-A	Method Blank	Total/NA	Solid	8015B NM	111864
LCS 880-111864/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111864
LCSD 880-111864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111864
880-59113-1 MS	Backfill	Total/NA	Solid	8015B NM	111864
880-59113-1 MSD	Backfill	Total/NA	Solid	8015B NM	111864

Analysis Batch: 111975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111853

Released to Imaging: 9/16/2025 1:33:47 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Soluble	Solid	DI Leach	
MB 880-111853/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111853/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111853/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

Page 12 of 19

9

3

4

6

9

11

13

QC Association Summary

Client: Carmona Resources

Job ID: 880-59113-1

Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 111853 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	880-59089-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
Į	880-59089-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 111854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59113-1	Backfill	Soluble	Solid	300.0	111853
MB 880-111853/1-A	Method Blank	Soluble	Solid	300.0	111853
LCS 880-111853/2-A	Lab Control Sample	Soluble	Solid	300.0	111853
LCSD 880-111853/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111853
880-59089-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	111853
880-59089-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	111853

9

10

16

Lab Chronicle

Client: Carmona Resources Job ID: 880-59113-1 Project/Site: Lea Unit 44H SDG: Lea County, New Mexico

Client Sample ID: Backfill

Date Received: 06/09/25 15:32

Lab Sample ID: 880-59113-1 Date Collected: 06/09/25 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 11:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111995	06/10/25 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			111975	06/11/25 02:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 02:24	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111853	06/09/25 16:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	111854	06/10/25 10:44	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

Job ID: 880-59113-1

Project/Site: Lea Unit 44H

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
0 ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

3

4

_

11

13

Method Summary

Client: Carmona Resources Project/Site: Lea Unit 44H

Job ID: 880-59113-1

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: Lea Unit 44H

Job ID: 880-59113-1

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-59113-1	Backfill	Solid	06/09/25 00:00	06/09/25 15:32

880-59113 Chain of Custody

(

Derfund | DI Water: H₂O MeOH: Me HNO₃: HN Level IV NaOH: Na NaOH+Ascorbic Acid: SAPC Preservative Codes Sample Comments Date/Time Zn Acetate+NaOH: Zn 26/9/0 Na₂S₂O₃: NaSO₃ NaHSO4: NABIS Other Program: UST/PST PRP Prownfields RC |RRP None: NO H₃PO₄: HP Cool: Cool H2S04: H2 HCL: HC □ST/UST ADaPT PloH Reporting:Level II | Level III Received by: (Signature) Deliverables: EDD State of Project: ANALYSIS REQUEST 600 N Marienfield St, Suite 600 Emait laci.luig@coterra.com & ashton.thielke@coterra.com Midland, TX 79701 Chloride 300.0 Cimarex Energy × Date/Time TPH 8015M (GRO + DRO + MRO) Laci Luig × BTEX 8021B # of Cont Pres. Parameters Comp Grab/ O Company Name Bill to: (if different) City, State ZIP: 48 hr Yes ☑ Rush Address: **Turn Around** Wet Ice: Due Date: Soil □ Routine Corrected Temperature Temperature Reading Correction Factor: Relinquished by: (Signature) Yes No Time Lea County, New Mexico Lea Unit 44H 6/9/2025 GPJ Date 310 W Wall St Ste 500 Temp Blank: ON J Carmona Resources Yes No Yes No Midland, TX 79701 Ashton Thielke 432-813-8988 Sample Identification AMPLE RECEIPT nple Custody Seals: er Custody Seals: Project Manager oject Location eived Intact: oject Number City, State ZIP: ect Name: Comments

Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-59113-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 59113 List Number: 1

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	

Released to Imaging: 9/16/2025 1:33:47 PM

1

А

5

6

8

10

4.0

13

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 504747

QUESTIONS

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nRM2024760291	
Incident Name	NRM2024760291 LEA FED UNIT #44H @ 30-025-42885	
Incident Type	Oil Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-42885] LEA UNIT #044H	

Location of Release Source		
Please answer all the questions in this group.		
Site Name	LEA FED UNIT #44H	
Date Release Discovered	08/17/2020	
Surface Owner	Private	

ncident 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 fo	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 Other (Specify) Crude Oil Released: 42 BBL Recovered: 30 BBL Lost: 12 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.	

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 504747

QUESTIONS (continued)	
Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID:
AUTOTION O	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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.	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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface to does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 09/10/2025

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

Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 504747

QUESTIONS (continued)

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 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	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
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 millig	grams per kilograms.)	
Chloride (EPA 300.0 or SM4500 CI B)	3530	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1160	
GRO+DRO (EPA SW-846 Method 8015M)	1160	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	06/05/2025	
On what date will (or did) the final sampling or liner inspection occur	06/05/2025	
On what date will (or was) the remediation complete(d)	06/05/2025	
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	380	
What is the estimated volume (in cubic yards) that will be remediated	25	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 504747

QUESTIONS (continued)

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

Name: Ashton Thielke
Title: EHS Specialist
Email: Ashton.Thielke@coterra.com
Date: 09/10/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 504747

QUESTIONS (continued)

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 504747

QUESTIONS (continued)

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	469781
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	457

Remediation Closure Request			
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	380		
What was the total volume (cubic yards) remediated	25		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	0		
What was the total volume (in cubic yards) reclaimed	0		
Summarize any additional remediation activities not included by answers (above)	Based off of the site assessment, the area of S-1, which exceeded Table 1 standards for GW>100', was excavated to a depth of 1.5'. The well pad will be remediated/reclaimed per NMAC 19.15.29.13 once oil and gas operations discontinue.		

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Ashton Thielke
I hereby agree and sign off to the above statement
I hereby agree and sign off to the above statement
Email: Ashton.Thielke@coterra.com
Date: 09/10/2025

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 504747

QUESTIONS (continued)

Operator:	OGRID:
Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	330396
	Action Number: 504747
·	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

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 504747

CONDITIONS

Operator:	OGRID:
Avant Operating, LLC	330396
6001 Deauville Blvd	Action Number:
Midland, TX 79706	504747
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	9/16/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/16/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/16/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/16/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/16/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	9/16/2025