

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Lusk Deep Unit A 019
Lea County, New Mexico
Incident ID: nAPP2514235524
Unit N Sec 17 T19S R32E
32.655115°, -103.791543°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 05/09/2025
Volume Released: 7 barrels of Produced Water
Volume Recovered: 6 barrels of Produced Water

CARMONA RESOURCES



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

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

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

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November 2, 2025

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

Re: Closure Report
Lusk Deep Unit A 019
Incident ID: NAPP2514235524
Concho Operating, LLC
Site Location: Unit N, S17, T19S, R32E
(Lat 32.655115°, Long -103.791543°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Lusk Deep Unit A 019 (05.09.25). The site is located at 32.655115, -103.791543 within Unit N, S17, T19S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 9, 2025, due to equipment failure. The incident released approximately seven (7) barrels of produced water with six (6) barrels of produced water recovered. The impacted area occurred on pad, as shown in Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.03 miles Southeast of the site in S17, T19S, R32E and was drilled in 2017. The well has a reported depth to groundwater greater than 70' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 2, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 2' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories



in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on July 30, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of five (5) confirmation floor samples were collected (CS-1 and CS-5), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced locally. The composite pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 50 cubic yards of material were excavated and transported off-site for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. COG formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-6823.

Sincerely,

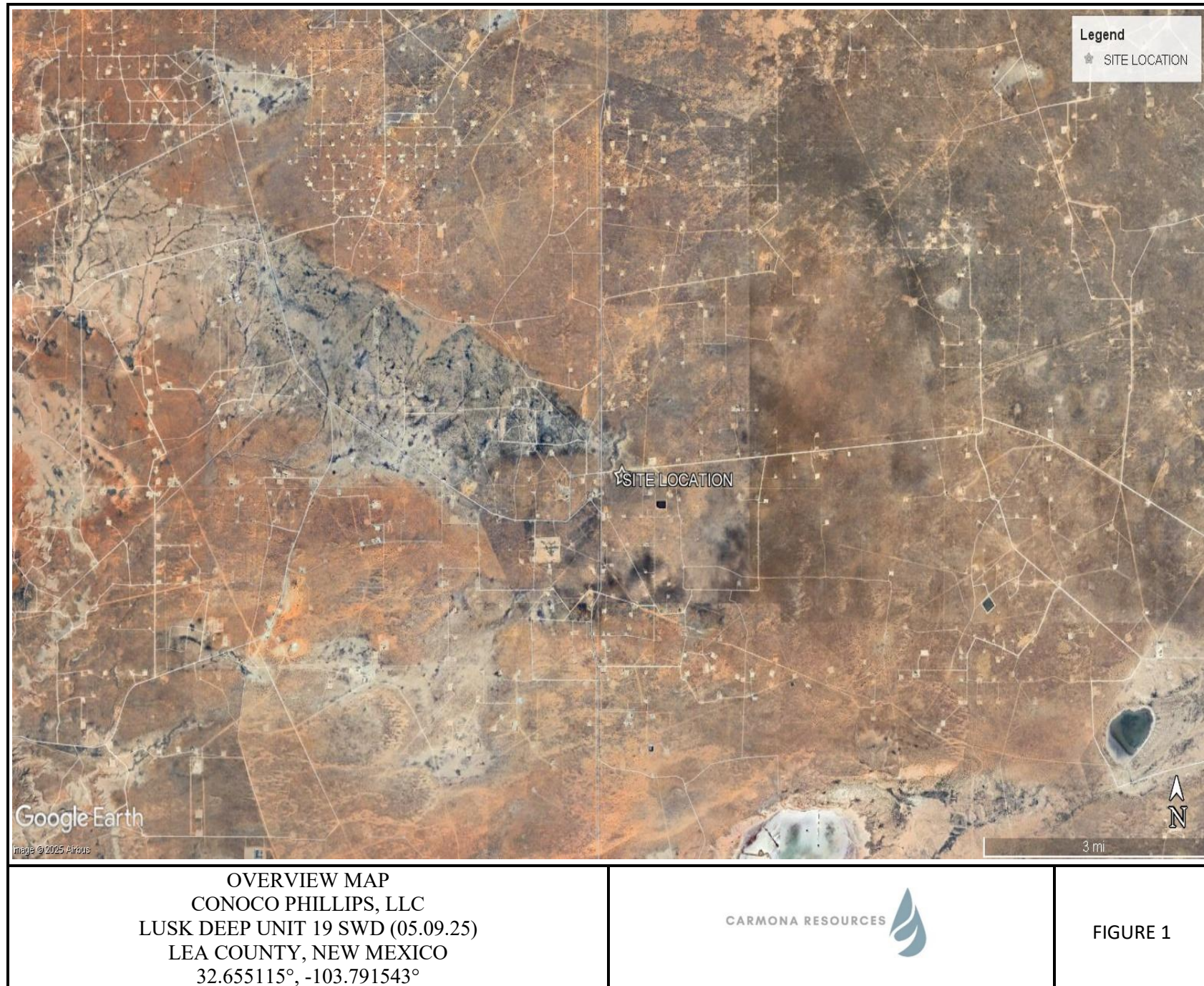
Carmona Resources, LLC

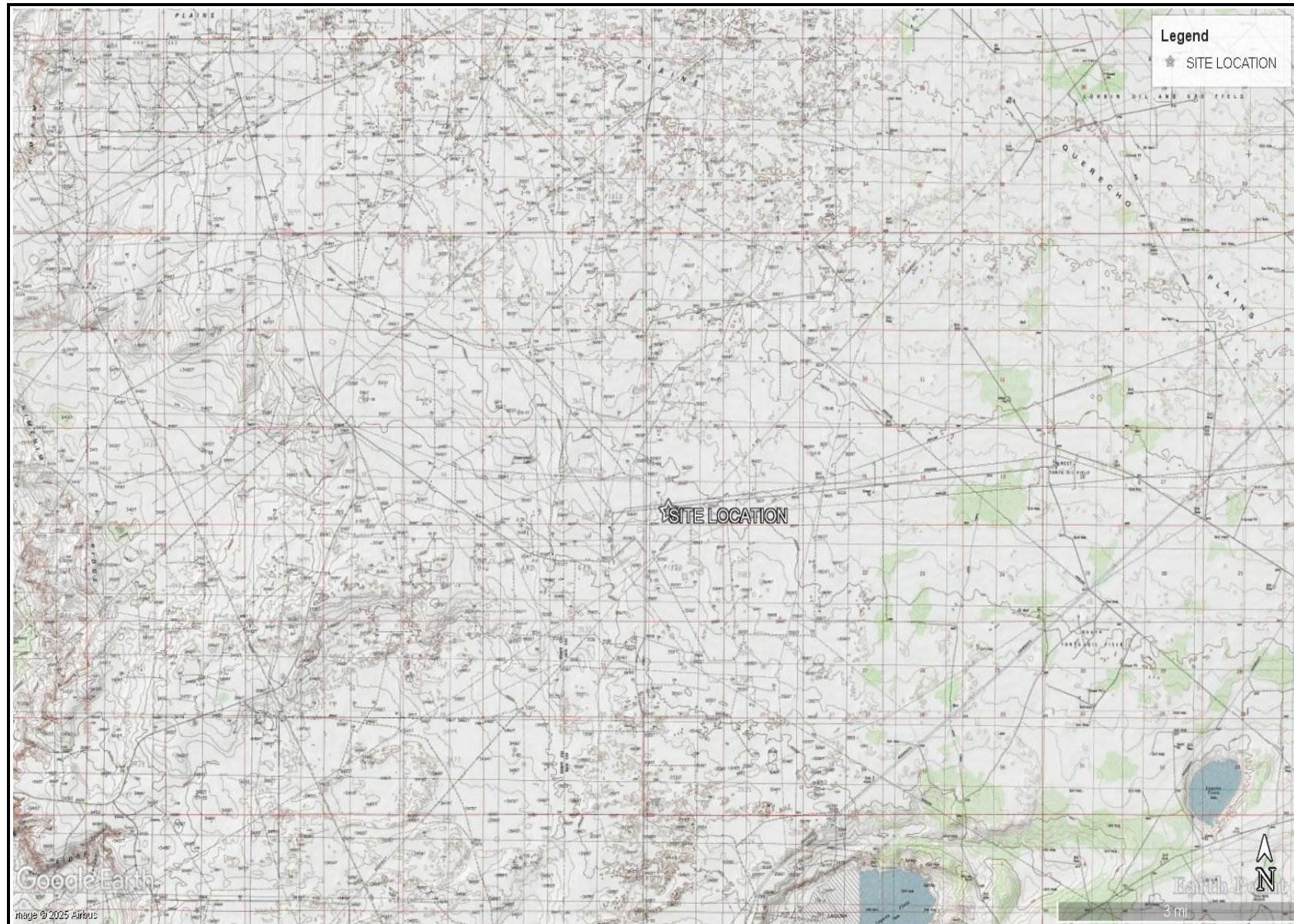
Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES





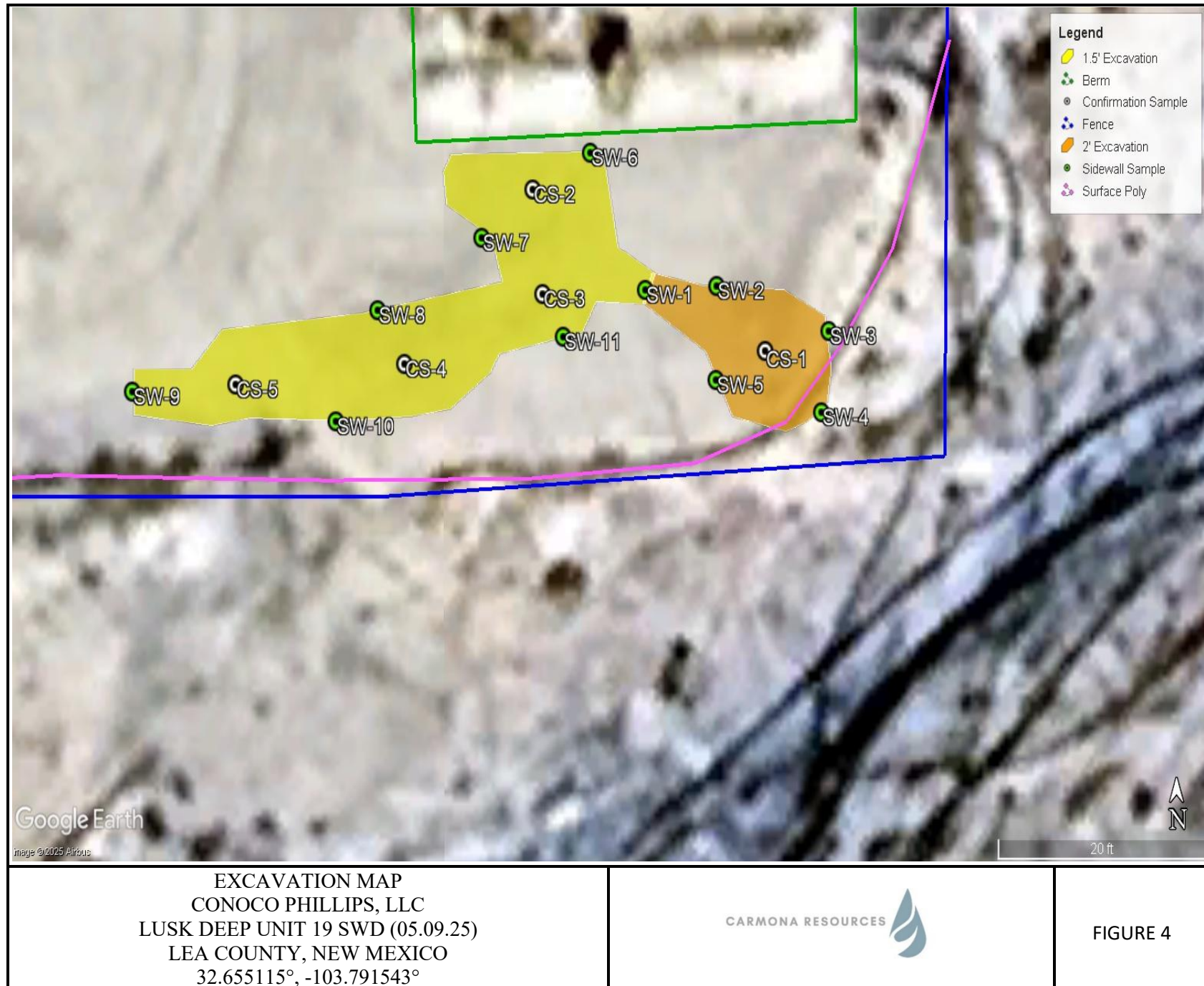


TOPOGRAPHIC MAP
CONOCO PHILLIPS, LLC
LUSK DEEP UNIT 19 SWD (05.09.25)
LEA COUNTY, NEW MEXICO
32.655115°, -103.791543°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
ConocoPhillips
Lusk Deep Unit 19 SWD (05.09.25)
Lea County, New Mexico

Sample ID	Date	Depth (in & ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/2/2025	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10,800
	"	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,100
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	411
S-2	6/2/2025	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12,900
	"	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	284
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	208
S-3	6/2/2025	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,740
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	384
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	126
H-1	6/2/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	72.9
H-2	6/2/2025	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.5
H-3	6/2/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	103
H-4	6/2/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	64.0
H-5	6/2/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.8
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

 Removed

Table 2
ConocoPhillips
Lusk Deep Unit 19 SWD (05.09.25)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	8/4/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
CS-2	8/4/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
CS-3	8/4/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.96
CS-4	8/4/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
CS-5	8/4/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
SW-1	8/4/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.90
SW-2	8/4/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
SW-3	8/4/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.0
SW-4	8/4/2025	2'	<49.9	49.9	<49.9	49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-5	8/4/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.6
SW-6	8/4/2025	1.5	<49.8	71.5	<49.8	71.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.90
SW-7	8/4/2025	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
SW-8	8/4/2025	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
SW-9	8/4/2025	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.98
SW-10	8/4/2025	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
SW-11	8/4/2025	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
BACKFILL MATERIAL	8/4/2025	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

ConocoPhillips

Photograph No. 1

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View Northeast of CS-4 through CS-5



Photograph No. 2

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View Southeast of CS-3 through CS-5



Photograph No. 3

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View East of CS-3 through CS-1



PHOTOGRAPHIC LOG

ConocoPhillips

Photograph No. 4

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View South of CS-2 through CS-3



Photograph No. 5

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View South of CS-1 through CS-2



Photograph No. 6

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View Northwest of CS-1 through CS-3



PHOTOGRAPHIC LOG

ConocoPhillips

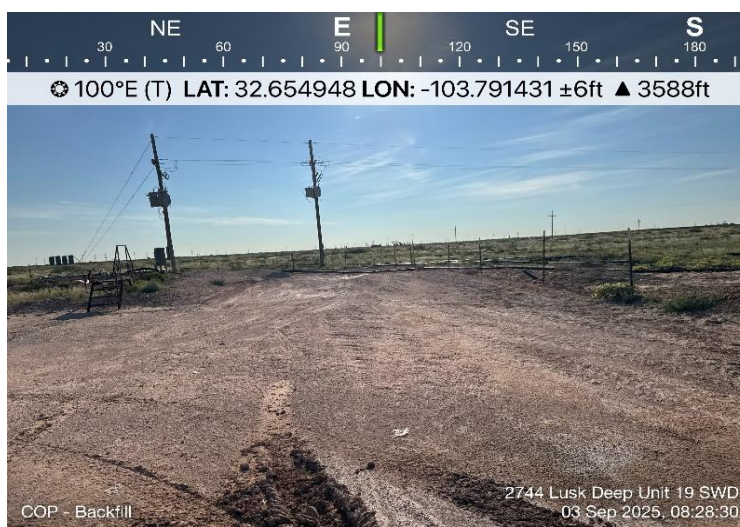
Photograph No. 7

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View East of Backfilled CS-5 through CS-1



Photograph No. 8

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View West of Backfilled CS-3 through CS-5



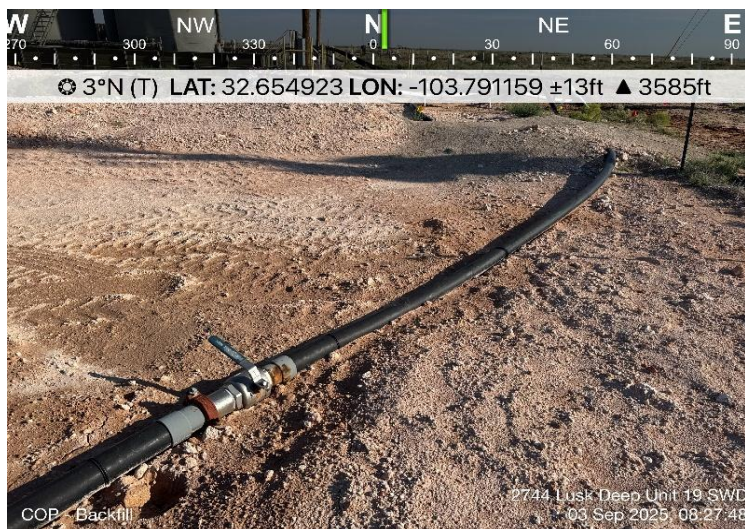
Photograph No. 9

Facility: Lusk Deep Unit 19 SWD

County: Lea County, New Mexico

Description:

View North of Backfilled CS-1 through CS-2



APPENDIX C

CARMONA RESOURCES



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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 466301

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 466301
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514235524
Incident Name	NAPP2514235524 LUSK DEEP UNIT A 019 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Lusk Deep Unit A 019
Date Release Discovered	05/09/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 7 BBL Recovered: 6 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 466301

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 466301
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/22/2025
--	---

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

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

QUESTIONS, Page 3

Action 466301

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 466301
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 466301

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 466301
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	5/27/2025

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

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

QUESTIONS

Action 490611

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 490611
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514235524
Incident Name	NAPP2514235524 LUSK DEEP UNIT A 019 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Lusk Deep Unit A 019
Date Release Discovered	05/09/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	580
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/04/2025
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823
Please provide any information necessary for navigation to sampling site	32.654736, -103.791319

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

General Information
Phone: (505) 629-6116

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<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 490611

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 490611
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	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.	7/30/2025
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/30/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG OPERATING LLC

Legend

 0.03 Miles

 0.50 Mile Radius

 0.51 Miles

 0.54 Miles

 Groundwater Determination Bore

 Lusk Deep Unit A 019 (05.09.2025)

 NMSEO Water Well



Lusk Deep Unit A 019 (05.09.2025) 70 GWDB' - Drilled 2017

102' - Drilled 1982

345' - Drilled 1982



Low Karst

COG OPERATING LLC

Legend



Low



Lusk Deep Unit A 019 (05.09.2025)

Lusk Deep Unit A 019 (05.09.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
CP 01656 POD2		CP	LE	SW	SE	SW	17	19S	32E	613363.5	3613648.1		57	70		
CP 01656 POD1		CP	LE	SW	SE	SW	17	19S	32E	613368.2	3613646.6		60	70		
CP 01656 POD3		CP	LE	SW	SE	SW	17	19S	32E	613373.6	3613633.4		74	30		
CP 00640 POD1		CP	LE		NE	NE	19	19S	32E	612621.0	3613280.0 *		836	260	102	158
CP 00639 POD1		CP	LE		SW	NW	20	19S	32E	613029.0	3612880.0 *		879	350	345	5
CP 00563 POD1		CP	LE	NW	NW	NE	19	19S	32E	612118.0	3613376.0 *		1267	300		
CP 00642 POD1		CP	ED		NE	NE	25	19S	31E	611025.0	3611657.0 *		3091	250		
CP 02015 POD1		CP	LE	SW	SW	SW	05	19S	32E	612911.8	3616830.4		3158	55		
CP 02015 POD1	C	CP	LE	SW	SW	SW	05	19S	32E	612911.8	3616830.4		3158	55		
CP 02017 POD1		CP	LE	SW	SE	NW	15	19S	32E	616593.8	3614503.4		3348	105		
CP 02050 POD1		CP	ED	SW	NW	NW	24	19S	31E	609656.9	3613103.3		3734	105		

Average Depth to Water: 223 feet

Minimum Depth: 102 feet

Maximum Depth: 345 feet

Record Count: 11

UTM Filters (in meters):

Easting: 613343.09

Northing: 3613701.88

Radius: 4000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) (POD 2) LUSK DEEP UNIT A #19 SB-2				OSE FILE NUMBER(S) CP-1656			
	WELL OWNER NAME(S) TETRA TECH				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4000 N.BIG SPRING ST, STE 401				CITY Midland		STATE Tx	ZIP 79705
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 39	SECONDS 16.7	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	47	28.1	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4 OF SW 1/4 OF SE 1/4 OF SW 1/4 OF SECTION 17, TOWNSHIP 19S, RANGE 32E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD1711		NAME OF LICENSED DRILLER EDWARD BRYAN			NAME OF WELL DRILLING COMPANY STRAUB CORPORATION		
	DRILLING STARTED 3-28-17	DRILLING ENDED 3-28-17	DEPTH OF COMPLETED WELL (FT) 70'		BORE HOLE DEPTH (FT) 70'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	70'	6"	N/A	N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	0	2'	6"	.5 CEMENT		TOPLOAD		
	2	70'	6"	21 BAGS OF 3/8 HOLEPLUG		TOPLOAD		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1656	POD NUMBER	2	TRN NUMBER	606732
LOCATION	19S.32E.17.343				

PAGE 1 OF 2

1. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	POD NUMBER	TRN NUMBER	
LOCATION			PAGE 2 OF 2



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00640 POD1		2	2	19	19S	32E	612621	3613280*
Driller License:		882		Driller Company:		LARRY'S DRILLING & PUMP CO.			
Driller Name:		FELKINS, LARRY							
Drill Start Date:		02/08/1982		Drill Finish Date:		02/09/1982		Plug Date:	
Log File Date:		03/04/1982		PCW Rcv Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield:	
Casing Size:				Depth Well:		260 feet		Depth Water:	
								102 feet	

*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.

11/14/23 2:12 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00639 POD1	3	1	20	19S	32E	613029	3612880*	
Driller License:	882	Driller Company:		LARRY'S DRILLING & PUMP CO.					
Driller Name:	FELKINS, LARRY								
Drill Start Date:	02/09/1982	Drill Finish Date:		02/10/1982		Plug Date:			
Log File Date:	03/23/1982	PCW Rcv Date:				Source:		Shallow	
Pump Type:			Pipe Discharge Size:				Estimated Yield:		
Casing Size:			Depth Well:		350 feet		Depth Water:		345 feet

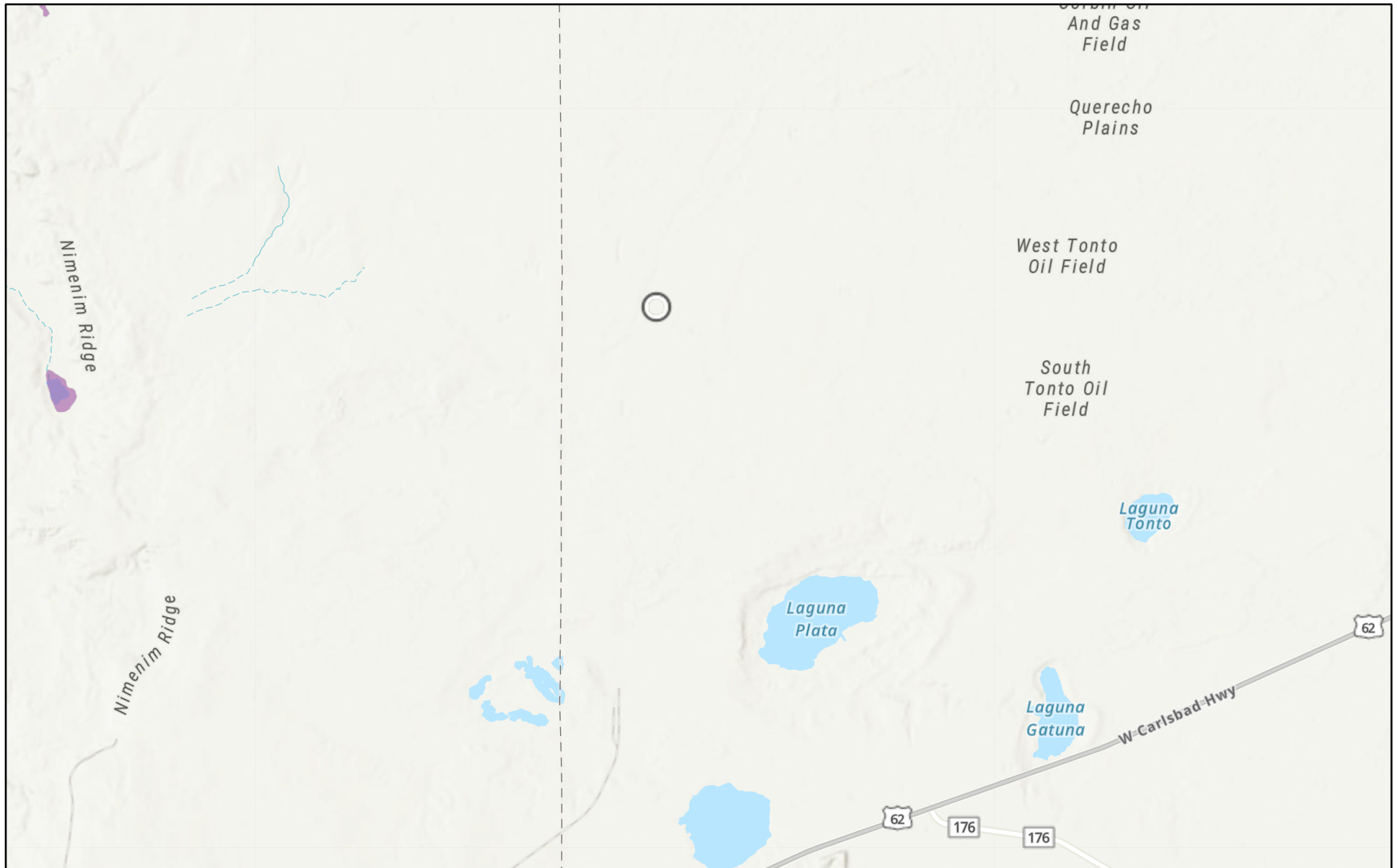
*UTM location was derived from PLSS - see Help

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.

11/14/23 2:13 PM

POINT OF DIVERSION SUMMARY

Lusk Deep Unit A 019 (05.09.2025)

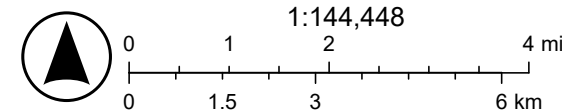


5/28/2025

USA Flood Hazard Areas

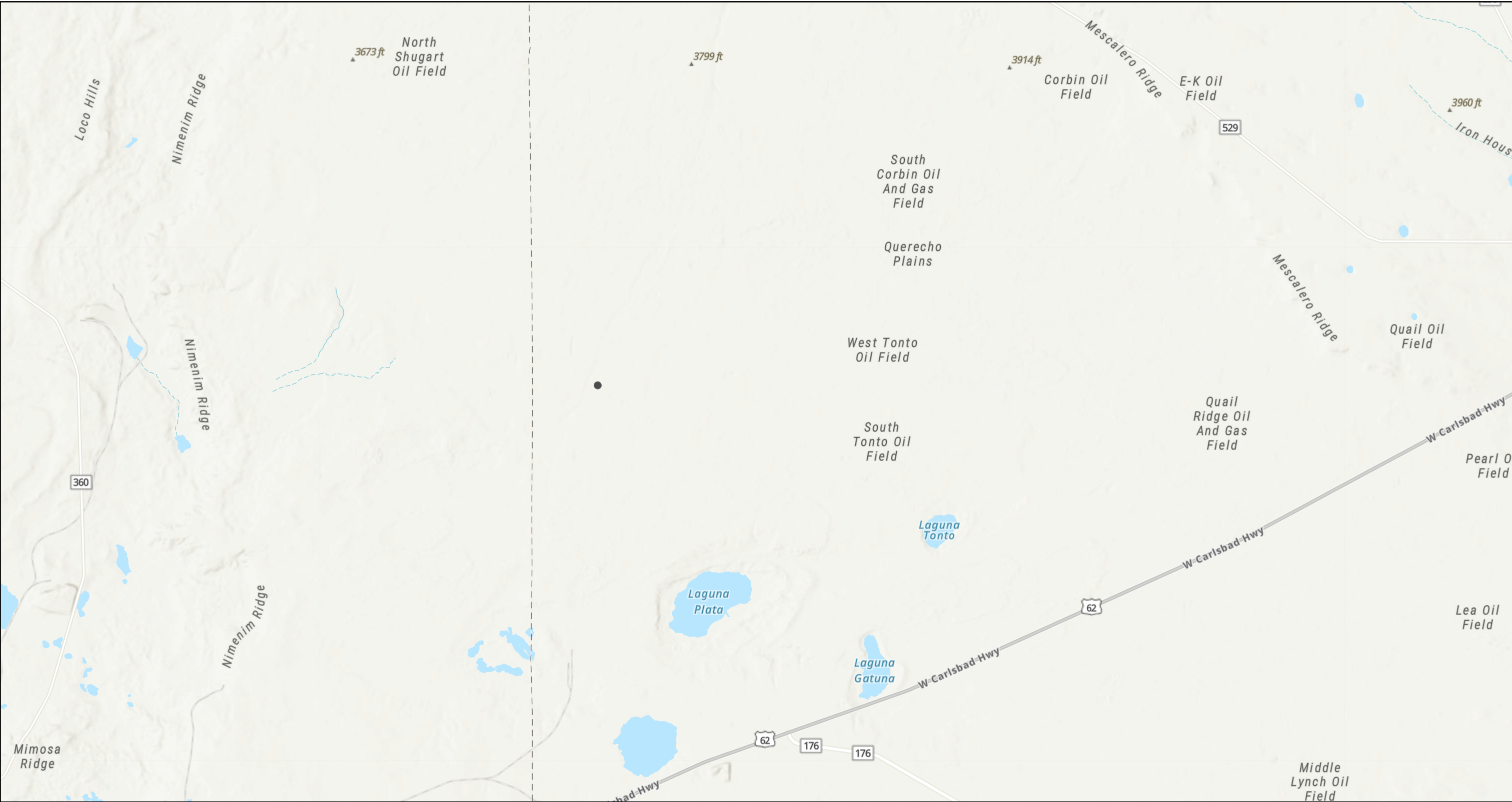
1% Annual Chance Flood Hazard

World_Hillshade



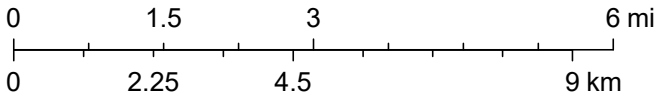
Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Lusk Deep Unit A 019 (05.09.2025)



5/28/2025, 8:50:17 AM

1:144,448



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/4/2025 3:04:37 PM

JOB DESCRIPTION

Lusk Deep Unit 19 SWD (05.09.25)
Lea County, New County

JOB NUMBER

880-58845-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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6/4/2025 3:04:37 PM

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

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Laboratory Job ID: 880-58845-1
SDG: Lea County, New County

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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
SQL	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: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1

Job ID: 880-58845-1

Eurofins Midland

Job Narrative 880-58845-1

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 6/3/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.3°C.

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-1

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/03/25 10:43	06/03/25 12:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/03/25 10:43	06/03/25 12:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/03/25 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/04/25 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 02:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 02:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	06/03/25 10:55	06/04/25 02:52	1
o-Terphenyl (Surr)	93		70 - 130	06/03/25 10:55	06/04/25 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800		198		mg/Kg			06/03/25 21:29	20

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-58845-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 13:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 13:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 13:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 13:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 13:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/03/25 10:43	06/03/25 13:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/03/25 10:43	06/03/25 13:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-58845-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/03/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/04/25 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:08	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				06/03/25 10:55	06/04/25 03:08	1
o-Terphenyl (Surr)	93		70 - 130				06/03/25 10:55	06/04/25 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		9.96		mg/Kg			06/03/25 21:36	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-58845-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/03/25 10:43	06/03/25 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/03/25 10:43	06/03/25 13:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/03/25 10:43	06/03/25 13:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/03/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/04/25 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Client Sample ID: S-1 (2')

Lab Sample ID: 880-58845-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				06/03/25 10:55	06/04/25 03:24	1
o-Terphenyl (Surr)	92		70 - 130				06/03/25 10:55	06/04/25 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		10.0		mg/Kg			06/03/25 21:43	1

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

Lab Sample ID: 880-58845-4

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/03/25 10:43	06/03/25 13:59	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/03/25 10:43	06/03/25 13:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/03/25 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/04/25 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130				06/03/25 10:55	06/04/25 03:40	1
o-Terphenyl (Surr)	94		70 - 130				06/03/25 10:55	06/04/25 03:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900		199		mg/Kg			06/03/25 21:50	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-58845-5

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:19	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		06/03/25 10:43	06/03/25 14:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:19	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/03/25 10:43	06/03/25 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/03/25 10:43	06/03/25 14:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:43	06/03/25 14:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/03/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/04/25 03:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:55	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	06/03/25 10:55	06/04/25 03:55	1
o-Terphenyl (Surr)	95		70 - 130	06/03/25 10:55	06/04/25 03:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		9.92		mg/Kg			06/03/25 21:57	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-58845-6

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:40	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/03/25 10:43	06/03/25 14:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/03/25 10:43	06/03/25 14:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/03/25 10:43	06/03/25 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/03/25 10:43	06/03/25 14:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:43	06/03/25 14:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Client Sample ID: S-2 (2')

Lab Sample ID: 880-58845-6

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/03/25 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/04/25 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 04:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 04:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				06/03/25 10:55	06/04/25 04:26	1
o-Terphenyl (Surr)	93		70 - 130				06/03/25 10:55	06/04/25 04:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		10.1		mg/Kg			06/03/25 22:05	1

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

Lab Sample ID: 880-58845-7

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/03/25 10:43	06/03/25 15:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/03/25 10:43	06/03/25 15:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/03/25 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/04/25 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 04:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 04:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-7

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/03/25 10:55	06/04/25 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				06/03/25 10:55	06/04/25 04:43	1
o-Terphenyl (Surr)	88		70 - 130				06/03/25 10:55	06/04/25 04:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1740		49.8		mg/Kg			06/03/25 22:26	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-58845-8

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/03/25 10:43	06/03/25 17:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/03/25 10:43	06/03/25 17:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/03/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/04/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 04:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 04:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130				06/03/25 10:55	06/04/25 04:59	1
o-Terphenyl (Surr)	87		70 - 130				06/03/25 10:55	06/04/25 04:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		9.92		mg/Kg			06/03/25 22:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Client Sample ID: S-3 (2')

Lab Sample ID: 880-58845-9

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 17:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 17:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 17:56	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 17:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 17:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/03/25 10:43	06/03/25 17:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/03/25 10:43	06/03/25 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/03/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/04/25 05:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 05:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 05:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	06/03/25 10:55	06/04/25 05:14	1
o-Terphenyl (Surr)	99		70 - 130	06/03/25 10:55	06/04/25 05:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		9.98		mg/Kg			06/03/25 22:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-58845-1	S-1 (0-1')	104	89				
880-58845-1 MS	S-1 (0-1')	98	103				
880-58845-1 MSD	S-1 (0-1')	97	102				
880-58845-2	S-1 (1.5')	92	102				
880-58845-3	S-1 (2')	89	101				
880-58845-4	S-2 (0-1')	91	103				
880-58845-5	S-2 (1.5')	92	100				
880-58845-6	S-2 (2')	96	100				
880-58845-7	S-3 (0-1')	94	98				
880-58845-8	S-3 (1.5')	103	90				
880-58845-9	S-3 (2')	98	92				
LCS 880-111382/1-A	Lab Control Sample	96	105				
LCSD 880-111382/2-A	Lab Control Sample Dup	99	98				
MB 880-111382/5-A	Method Blank	95	85				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-58844-A-1-C MS	Matrix Spike	83	87				
880-58844-A-1-D MSD	Matrix Spike Duplicate	80	84				
880-58845-1	S-1 (0-1')	92	93				
880-58845-2	S-1 (1.5')	92	93				
880-58845-3	S-1 (2')	92	92				
880-58845-4	S-2 (0-1')	91	94				
880-58845-5	S-2 (1.5')	92	95				
880-58845-6	S-2 (2')	92	93				
880-58845-7	S-3 (0-1')	87	88				
880-58845-8	S-3 (1.5')	86	87				
880-58845-9	S-3 (2')	98	99				
LCS 880-111384/2-A	Lab Control Sample	127	112				
LCSD 880-111384/3-A	Lab Control Sample Dup	104	112				
MB 880-111384/1-A	Method Blank	77	77				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111382/5-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/03/25 10:43	06/03/25 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/03/25 10:43	06/03/25 12:36	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/03/25 10:43	06/03/25 12:36	1

Lab Sample ID: LCS 880-111382/1-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1229		mg/Kg		123	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2332		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-111382/2-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	7	35
Toluene	0.100	0.09970		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	7	35
m,p-Xylenes	0.200	0.2174		mg/Kg		109	70 - 130	7	35
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-58845-1 MS

Matrix: Solid

Analysis Batch: 111357

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

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1021		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.08733		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-1 MS

Matrix: Solid

Analysis Batch: 111357

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

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09147		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1928		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09504		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-58845-1 MSD

Matrix: Solid

Analysis Batch: 111357

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

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1080		mg/Kg		108	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09206		mg/Kg		92	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09641		mg/Kg		96	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.2016		mg/Kg		101	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09918		mg/Kg		99	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-111384/1-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130	06/03/25 10:55	06/04/25 00:12	1
o-Terphenyl (Surr)	77		70 - 130	06/03/25 10:55	06/04/25 00:12	1

Lab Sample ID: LCS 880-111384/2-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: LCS 880-111384/2-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111384

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-111384/3-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	943.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 880-58844-A-1-C MS

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	759.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	885.5		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: 880-58844-A-1-D MSD

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	735.8		mg/Kg		74	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	869.1		mg/Kg		87	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	80		70 - 130
o-Terphenyl (Surr)	84		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111391/1-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/03/25 20:04	1

Lab Sample ID: LCS 880-111391/2-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-111391/3-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.1		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-58845-6 MS
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: S-2 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	208		253	472.4		mg/Kg		105	90 - 110

Lab Sample ID: 880-58845-6 MSD
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: S-2 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	208		253	472.6		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

GC VOA

Analysis Batch: 111357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	8021B	111382
880-58845-2	S-1 (1.5')	Total/NA	Solid	8021B	111382
880-58845-3	S-1 (2')	Total/NA	Solid	8021B	111382
880-58845-4	S-2 (0-1')	Total/NA	Solid	8021B	111382
880-58845-5	S-2 (1.5')	Total/NA	Solid	8021B	111382
880-58845-6	S-2 (2')	Total/NA	Solid	8021B	111382
880-58845-7	S-3 (0-1')	Total/NA	Solid	8021B	111382
880-58845-8	S-3 (1.5')	Total/NA	Solid	8021B	111382
880-58845-9	S-3 (2')	Total/NA	Solid	8021B	111382
MB 880-111382/5-A	Method Blank	Total/NA	Solid	8021B	111382
LCS 880-111382/1-A	Lab Control Sample	Total/NA	Solid	8021B	111382
LCSD 880-111382/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111382
880-58845-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	111382
880-58845-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	111382

Prep Batch: 111382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	5035	
880-58845-2	S-1 (1.5')	Total/NA	Solid	5035	
880-58845-3	S-1 (2')	Total/NA	Solid	5035	
880-58845-4	S-2 (0-1')	Total/NA	Solid	5035	
880-58845-5	S-2 (1.5')	Total/NA	Solid	5035	
880-58845-6	S-2 (2')	Total/NA	Solid	5035	
880-58845-7	S-3 (0-1')	Total/NA	Solid	5035	
880-58845-8	S-3 (1.5')	Total/NA	Solid	5035	
880-58845-9	S-3 (2')	Total/NA	Solid	5035	
MB 880-111382/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111382/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111382/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58845-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-58845-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 111494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-58845-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-58845-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-58845-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-58845-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-58845-6	S-2 (2')	Total/NA	Solid	Total BTEX	
880-58845-7	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-58845-8	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-58845-9	S-3 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-58845-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-58845-3	S-1 (2')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

GC Semi VOA (Continued)

Prep Batch: 111384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-58845-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-58845-6	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-58845-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-58845-8	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-58845-9	S-3 (2')	Total/NA	Solid	8015NM Prep	
MB 880-111384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58844-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58844-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	8015B NM	111384
880-58845-2	S-1 (1.5')	Total/NA	Solid	8015B NM	111384
880-58845-3	S-1 (2')	Total/NA	Solid	8015B NM	111384
880-58845-4	S-2 (0-1')	Total/NA	Solid	8015B NM	111384
880-58845-5	S-2 (1.5')	Total/NA	Solid	8015B NM	111384
880-58845-6	S-2 (2')	Total/NA	Solid	8015B NM	111384
880-58845-7	S-3 (0-1')	Total/NA	Solid	8015B NM	111384
880-58845-8	S-3 (1.5')	Total/NA	Solid	8015B NM	111384
880-58845-9	S-3 (2')	Total/NA	Solid	8015B NM	111384
MB 880-111384/1-A	Method Blank	Total/NA	Solid	8015B NM	111384
LCS 880-111384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111384
LCSD 880-111384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111384
880-58844-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	111384
880-58844-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	111384

Analysis Batch: 111535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-58845-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-58845-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-58845-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-58845-5	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-58845-6	S-2 (2')	Total/NA	Solid	8015 NM	
880-58845-7	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-58845-8	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-58845-9	S-3 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-58845-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-58845-3	S-1 (2')	Soluble	Solid	DI Leach	
880-58845-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-58845-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-58845-6	S-2 (2')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

HPLC/IC (Continued)

Leach Batch: 111391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-7	S-3 (0-1')	Soluble	Solid	DI Leach	
880-58845-8	S-3 (1.5')	Soluble	Solid	DI Leach	
880-58845-9	S-3 (2')	Soluble	Solid	DI Leach	
MB 880-111391/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111391/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111391/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58845-6 MS	S-2 (2')	Soluble	Solid	DI Leach	
880-58845-6 MSD	S-2 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 111404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58845-1	S-1 (0-1')	Soluble	Solid	300.0	111391
880-58845-2	S-1 (1.5')	Soluble	Solid	300.0	111391
880-58845-3	S-1 (2')	Soluble	Solid	300.0	111391
880-58845-4	S-2 (0-1')	Soluble	Solid	300.0	111391
880-58845-5	S-2 (1.5')	Soluble	Solid	300.0	111391
880-58845-6	S-2 (2')	Soluble	Solid	300.0	111391
880-58845-7	S-3 (0-1')	Soluble	Solid	300.0	111391
880-58845-8	S-3 (1.5')	Soluble	Solid	300.0	111391
880-58845-9	S-3 (2')	Soluble	Solid	300.0	111391
MB 880-111391/1-A	Method Blank	Soluble	Solid	300.0	111391
LCS 880-111391/2-A	Lab Control Sample	Soluble	Solid	300.0	111391
LCSD 880-111391/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111391
880-58845-6 MS	S-2 (2')	Soluble	Solid	300.0	111391
880-58845-6 MSD	S-2 (2')	Soluble	Solid	300.0	111391

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-1

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 12:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 02:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 02:52	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		20			111404	06/03/25 21:29	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-58845-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 03:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 21:36	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-58845-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 13:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 03:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 21:43	CH	EET MID

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

Lab Sample ID: 880-58845-4

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 13:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-4

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111535	06/04/25 03:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 03:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		20			111404	06/03/25 21:50	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-58845-5

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 03:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 03:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 21:57	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-58845-6

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 04:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 04:26	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 22:05	CH	EET MID

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

Lab Sample ID: 880-58845-7

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 04:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 04:43	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-7

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		5			111404	06/03/25 22:26	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-58845-8

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 04:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 04:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 22:33	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-58845-9

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111494	06/03/25 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			111535	06/04/25 05:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 05:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 22:54	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

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: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58845-1
SDG: Lea County, New County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58845-1	S-1 (0-1')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-2	S-1 (1.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-3	S-1 (2')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-4	S-2 (0-1')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-5	S-2 (1.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-6	S-2 (2')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-7	S-3 (0-1')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-8	S-3 (1.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58845-9	S-3 (2')	Solid	06/02/25 00:00	06/03/25 10:10

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380-58845 Chain of Custody

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Name:	Lusk Deep Unit 19 SWD (05.09.25)			Turn Around			ANALYSIS REQUEST										Preservative Codes										
Project Number:	2744			☐ Routine ☒ Rush Due Date: 72 HR TAT													None: NO DI Water: H ₂ O										
Project Location	Lea County, New Mexico																Cool: Cool MeOH: Me										
Sampler's Name:	CMM																HCL: HC HNO ₃ : HN										
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na										
SAMPLE RECEIPT				Temp Blank:		Yes No		Wet Ice:		Yes No		Parameters															
Received Intact:				Yes No		No		Thermometer ID:																			
Cooler Custody Seals:				Yes No		N/A		Correction Factor:																			
Sample Custody Seals:				Yes No		N/A		Temperature Reading:																			
Total Containers:								Corrected Temperature:																			
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont		BTX 8021B TPF 8015M (GRO + DRO + MRO) Chloride 300.0										Sample Comments	
S-1 (0-1')				6/2/2025				X				G		1		X											
S-1 (1.5')				6/2/2025				X				G		1		X											
S-1 (2')				6/2/2025				X				G		1		X											
S-2 (0-1')				6/2/2025				X				G		1		X											
S-2 (1.5')				6/2/2025				X				G		1		X											
S-2 (2')				6/2/2025				X				G		1		X											
S-3 (0-1')				6/2/2025				X				G		1		X											
S-3 (1.5')				6/2/2025				X				G		1		X											
S-3 (2')				6/2/2025				X				G		1		X											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/3/25 @ 10:10		6/3/25 10:10

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58845-1

SDG Number: Lea County, New County

Login Number: 58845

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/4/2025 3:03:46 PM

JOB DESCRIPTION

Lusk Deep Unit 19 SWD (05.09.25)
Lea COunty, New County

JOB NUMBER

880-58844-1

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
6/4/2025 3:03:46 PM

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

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Laboratory Job ID: 880-58844-1
SDG: Lea County, New County

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea COunty, New County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1

Job ID: 880-58844-1

Eurofins Midland

Job Narrative 880-58844-1

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 6/3/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-58844-1), H-2 (0-0.5') (880-58844-2), H-3 (0-0.5') (880-58844-3), H-4 (0-0.5') (880-58844-4) and H-5 (0-0.5') (880-58844-5).

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111391 and analytical batch 880-111404 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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58844-1

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 18:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 18:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 18:17	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 18:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/03/25 10:43	06/03/25 18:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/03/25 10:43	06/03/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/03/25 10:43	06/03/25 18:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/03/25 10:43	06/03/25 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/03/25 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/04/25 01:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 01:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 01:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	06/03/25 10:55	06/04/25 01:00	1
o-Terphenyl (Surr)	86		70 - 130	06/03/25 10:55	06/04/25 01:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9	F1	9.92		mg/Kg			06/03/25 20:26	1

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

Lab Sample ID: 880-58844-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 18:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/03/25 10:43	06/03/25 18:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/03/25 10:43	06/03/25 18:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58844-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/03/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/04/25 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 01:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 01:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/03/25 10:55	06/04/25 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				06/03/25 10:55	06/04/25 01:48	1
o-Terphenyl (Surr)	102		70 - 130				06/03/25 10:55	06/04/25 01:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.5		9.96		mg/Kg			06/03/25 20:47	1

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

Lab Sample ID: 880-58844-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/03/25 10:43	06/03/25 18:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/03/25 10:43	06/03/25 18:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/03/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/04/25 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 02:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 02:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58844-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/03/25 10:55	06/04/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				06/03/25 10:55	06/04/25 02:05	1
o-Terphenyl (Surr)	86		70 - 130				06/03/25 10:55	06/04/25 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.0		mg/Kg			06/03/25 20:54	1

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

Lab Sample ID: 880-58844-4

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/03/25 10:43	06/03/25 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/03/25 10:43	06/03/25 19:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/03/25 10:43	06/03/25 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/03/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/04/25 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 02:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 02:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130				06/03/25 10:55	06/04/25 02:20	1
o-Terphenyl (Surr)	96		70 - 130				06/03/25 10:55	06/04/25 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.0		9.94		mg/Kg			06/03/25 21:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58844-5

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 19:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/03/25 10:43	06/03/25 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/03/25 10:43	06/03/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/03/25 10:43	06/03/25 19:39	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/03/25 10:43	06/03/25 19:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/03/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/04/25 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 02:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 02:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/03/25 10:55	06/04/25 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	06/03/25 10:55	06/04/25 02:37	1
o-Terphenyl (Surr)	87		70 - 130	06/03/25 10:55	06/04/25 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.8		9.98		mg/Kg			06/03/25 21:08	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58844-1	H-1 (0-0.5')	94	100
880-58844-2	H-2 (0-0.5')	93	98
880-58844-3	H-3 (0-0.5')	89	96
880-58844-4	H-4 (0-0.5')	90	97
880-58844-5	H-5 (0-0.5')	96	96
880-58845-A-1-A MS	Matrix Spike	98	103
880-58845-A-1-B MSD	Matrix Spike Duplicate	97	102
LCS 880-111382/1-A	Lab Control Sample	96	105
LCSD 880-111382/2-A	Lab Control Sample Dup	99	98
MB 880-111382/5-A	Method Blank	95	85
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-58844-1	H-1 (0-0.5')	88	86
880-58844-1 MS	H-1 (0-0.5')	83	87
880-58844-1 MSD	H-1 (0-0.5')	80	84
880-58844-2	H-2 (0-0.5')	101	102
880-58844-3	H-3 (0-0.5')	88	86
880-58844-4	H-4 (0-0.5')	95	96
880-58844-5	H-5 (0-0.5')	89	87
LCS 880-111384/2-A	Lab Control Sample	127	112
LCSD 880-111384/3-A	Lab Control Sample Dup	104	112
MB 880-111384/1-A	Method Blank	77	77
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111382/5-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/03/25 10:43	06/03/25 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/03/25 10:43	06/03/25 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/03/25 10:43	06/03/25 12:36	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/03/25 10:43	06/03/25 12:36	1

Lab Sample ID: LCS 880-111382/1-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1229		mg/Kg		123	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2332		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-111382/2-A

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	7	35
Toluene	0.100	0.09970		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	7	35
m,p-Xylenes	0.200	0.2174		mg/Kg		109	70 - 130	7	35
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-58845-A-1-A MS

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1021		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.08733		mg/Kg		87	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58845-A-1-A MS

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09147		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1928		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09504		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-58845-A-1-B MSD

Matrix: Solid

Analysis Batch: 111357

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 111382

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1080		mg/Kg		108	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09206		mg/Kg		92	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09641		mg/Kg		96	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.2016		mg/Kg		101	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09918		mg/Kg		99	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-111384/1-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 111384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/03/25 10:55	06/04/25 00:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130	06/03/25 10:55	06/04/25 00:12	1
o-Terphenyl (Surr)	77		70 - 130	06/03/25 10:55	06/04/25 00:12	1

Lab Sample ID: LCS 880-111384/2-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: LCS 880-111384/2-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 111384

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-111384/3-A

Matrix: Solid

Analysis Batch: 111420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	943.9		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: 880-58844-1 MS

Matrix: Solid

Analysis Batch: 111420

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

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	759.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	885.5		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: 880-58844-1 MSD

Matrix: Solid

Analysis Batch: 111420

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

Prep Type: Total/NA

Prep Batch: 111384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	735.8		mg/Kg		74	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	869.1		mg/Kg		87	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	80		70 - 130
o-Terphenyl (Surr)	84		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea COunty, New County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111391/1-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/03/25 20:04	1

Lab Sample ID: LCS 880-111391/2-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-111391/3-A
Matrix: Solid
Analysis Batch: 111404

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.1		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-58844-1 MS
Matrix: Solid
Analysis Batch: 111404

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	72.9	F1	248	359.6	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-58844-1 MSD
Matrix: Solid
Analysis Batch: 111404

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	72.9	F1	248	357.9	F1	mg/Kg		115	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

GC VOA

Analysis Batch: 111357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	8021B	111382
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	8021B	111382
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	8021B	111382
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	8021B	111382
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	8021B	111382
MB 880-111382/5-A	Method Blank	Total/NA	Solid	8021B	111382
LCS 880-111382/1-A	Lab Control Sample	Total/NA	Solid	8021B	111382
LCSD 880-111382/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111382
880-58845-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	111382
880-58845-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	111382

Prep Batch: 111382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-111382/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111382/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111382/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58845-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-58845-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 111495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-111384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58844-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58844-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	111384
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	111384

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-58844-1

Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

SDG: Lea County, New County

GC Semi VOA (Continued)

Analysis Batch: 111420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	111384
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	111384
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	111384
MB 880-111384/1-A	Method Blank	Total/NA	Solid	8015B NM	111384
LCS 880-111384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111384
LCSD 880-111384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111384
880-58844-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	111384
880-58844-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	111384

Analysis Batch: 111534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-58844-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-58844-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-58844-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-58844-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-58844-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-58844-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-58844-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-58844-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-111391/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111391/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111391/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58844-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-58844-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 111404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58844-1	H-1 (0-0.5')	Soluble	Solid	300.0	111391
880-58844-2	H-2 (0-0.5')	Soluble	Solid	300.0	111391
880-58844-3	H-3 (0-0.5')	Soluble	Solid	300.0	111391
880-58844-4	H-4 (0-0.5')	Soluble	Solid	300.0	111391
880-58844-5	H-5 (0-0.5')	Soluble	Solid	300.0	111391
MB 880-111391/1-A	Method Blank	Soluble	Solid	300.0	111391
LCS 880-111391/2-A	Lab Control Sample	Soluble	Solid	300.0	111391
LCSD 880-111391/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111391
880-58844-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	111391
880-58844-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	111391

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

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

Lab Sample ID: 880-58844-1

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111495	06/03/25 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			111534	06/04/25 01:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 01:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 20:26	CH	EET MID

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

Lab Sample ID: 880-58844-2

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111495	06/03/25 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			111534	06/04/25 01:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 01:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 20:47	CH	EET MID

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

Lab Sample ID: 880-58844-3

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111495	06/03/25 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			111534	06/04/25 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 02:05	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 20:54	CH	EET MID

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

Lab Sample ID: 880-58844-4

Date Collected: 06/02/25 00:00

Matrix: Solid

Date Received: 06/03/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111495	06/03/25 19:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

Client Sample ID: H-4 (0-0.5')
Date Collected: 06/02/25 00:00
Date Received: 06/03/25 10:10

Lab Sample ID: 880-58844-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111534	06/04/25 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 02:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 21:01	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 06/02/25 00:00
Date Received: 06/03/25 10:10

Lab Sample ID: 880-58844-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111382	06/03/25 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111357	06/03/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111495	06/03/25 19:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			111534	06/04/25 02:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111384	06/03/25 10:55	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111420	06/04/25 02:37	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111391	06/03/25 13:04	SA	EET MID
Soluble	Analysis	300.0		1			111404	06/03/25 21:08	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea COunty, New County

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: Lusk Deep Unit 19 SWD (05.09.25)

Job ID: 880-58844-1
SDG: Lea County, New County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58844-1	H-1 (0-0.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58844-2	H-2 (0-0.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58844-3	H-3 (0-0.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58844-4	H-4 (0-0.5')	Solid	06/02/25 00:00	06/03/25 10:10
880-58844-5	H-5 (0-0.5')	Solid	06/02/25 00:00	06/03/25 10:10

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

Chain of Custody



880-58844 Chain of Custody

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58844-1

SDG Number: Lea County, New County

Login Number: 58844

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

- 1
- 2
- 3
- 4
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- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/14/2025 12:55:00 PM

JOB DESCRIPTION

Lusk Deep Unit 19 (05.09.25)
Lea County, New Mexico

JOB NUMBER

880-61321-1

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
8/14/2025 12:55:00 PM

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

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Laboratory Job ID: 880-61321-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1

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Job Narrative 880-61321-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/11/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.7°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116321 and analytical batch 880-116316 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: (LCS 880-116321/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-11 (1.5') (880-61321-16) and (890-8615-A-21-D). 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 880-116392 and analytical batch 880-116439 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: The surrogate recovery for the blank associated with preparation batch 880-116417 and analytical batch 880-116606 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-116417 and analytical batch 880-116606 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-116606 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-116606/19).

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-61321-1

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 14:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 14:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 14:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 14:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 14:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/11/25 12:12	08/12/25 14:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/11/25 12:12	08/12/25 14:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 14:12	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			08/13/25 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 12:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 12:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	08/11/25 15:20	08/13/25 12:47	1
o-Terphenyl (Surr)	108		70 - 130	08/11/25 15:20	08/13/25 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 17:52	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-61321-2

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 14:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 12:12	08/12/25 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 14:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 12:12	08/12/25 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/11/25 12:12	08/12/25 14:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/11/25 12:12	08/12/25 14:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-61321-2

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/12/25 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/13/25 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 13:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 13:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				08/11/25 15:20	08/13/25 13:07	1
o-Terphenyl (Surr)	97		70 - 130				08/11/25 15:20	08/13/25 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 17:59	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-61321-3

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/11/25 12:12	08/12/25 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/11/25 12:12	08/12/25 14:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/11/25 12:12	08/12/25 14:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/12/25 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/13/25 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 13:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 13:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-61321-3

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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		08/11/25 15:20	08/13/25 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				08/11/25 15:20	08/13/25 13:28	1
o-Terphenyl (Surr)	89		70 - 130				08/11/25 15:20	08/13/25 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/12/25 18:07	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-61321-4

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 12:12	08/12/25 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/11/25 12:12	08/12/25 16:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/25 12:12	08/12/25 16:27	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			08/12/25 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/13/25 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				08/11/25 15:20	08/13/25 13:48	1
o-Terphenyl (Surr)	97		70 - 130				08/11/25 15:20	08/13/25 13:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 18:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-61321-5

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 16:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 16:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 16:47	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 12:12	08/12/25 16:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:12	08/12/25 16:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 12:12	08/12/25 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/11/25 12:12	08/12/25 16:47	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/11/25 12:12	08/12/25 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/13/25 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 14:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 14:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	08/11/25 15:20	08/13/25 14:09	1
o-Terphenyl (Surr)	85		70 - 130	08/11/25 15:20	08/13/25 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/12/25 18:36	1

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-61321-6

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 17:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 17:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 17:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 17:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 17:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/11/25 12:12	08/12/25 17:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/11/25 12:12	08/12/25 17:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-61321-6

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/13/25 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 14:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130				08/11/25 15:20	08/13/25 14:30	1
o-Terphenyl (Surr)	86		70 - 130				08/11/25 15:20	08/13/25 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/12/25 18:58	1

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-61321-7

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 12:12	08/12/25 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/11/25 12:12	08/12/25 17:28	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/11/25 12:12	08/12/25 17:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/12/25 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/13/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 14:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 14:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-61321-7

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				08/11/25 15:20	08/13/25 14:52	1
o-Terphenyl (Surr)	96		70 - 130				08/11/25 15:20	08/13/25 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 19:05	1

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-61321-8

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/11/25 12:12	08/12/25 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/11/25 12:12	08/12/25 17:49	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/11/25 12:12	08/12/25 17:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/12/25 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/13/25 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 15:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 15:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				08/11/25 15:20	08/13/25 15:13	1
o-Terphenyl (Surr)	109		70 - 130				08/11/25 15:20	08/13/25 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 19:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-61321-9

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 19:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:12	08/12/25 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:12	08/12/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/11/25 12:12	08/12/25 19:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/11/25 12:12	08/12/25 19:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9		mg/Kg			08/13/25 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 15:58	1
Diesel Range Organics (Over C10-C28)	49.9		49.9		mg/Kg		08/11/25 15:20	08/13/25 15:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	08/11/25 15:20	08/13/25 15:58	1
o-Terphenyl (Surr)	106		70 - 130	08/11/25 15:20	08/13/25 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 19:20	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-61321-10

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/12/25 15:00	08/13/25 02:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/12/25 15:00	08/13/25 02:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/12/25 15:00	08/13/25 02:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/12/25 15:00	08/13/25 02:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/12/25 15:00	08/13/25 02:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/12/25 15:00	08/13/25 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 15:00	08/13/25 02:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/12/25 15:00	08/13/25 02:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-61321-10

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/13/25 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/13/25 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 16:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 16:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				08/11/25 15:20	08/13/25 16:19	1
o-Terphenyl (Surr)	109		70 - 130				08/11/25 15:20	08/13/25 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		9.98		mg/Kg			08/12/25 19:27	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-61321-11

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/25 15:00	08/13/25 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/12/25 15:00	08/13/25 03:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/12/25 15:00	08/13/25 03:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/13/25 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.5		49.8		mg/Kg			08/13/25 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 16:40	1
Diesel Range Organics (Over C10-C28)	71.5		49.8		mg/Kg		08/11/25 15:20	08/13/25 16:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-61321-11

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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		08/11/25 15:20	08/13/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				08/11/25 15:20	08/13/25 16:40	1
o-Terphenyl (Surr)	100		70 - 130				08/11/25 15:20	08/13/25 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			08/12/25 19:34	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-61321-12

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/12/25 15:00	08/13/25 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/12/25 15:00	08/13/25 04:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/12/25 15:00	08/13/25 04:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/13/25 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/13/25 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				08/11/25 15:20	08/13/25 17:01	1
o-Terphenyl (Surr)	104		70 - 130				08/11/25 15:20	08/13/25 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 19:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-61321-13

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 15:00	08/13/25 04:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 15:00	08/13/25 04:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 15:00	08/13/25 04:59	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/12/25 15:00	08/13/25 04:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 15:00	08/13/25 04:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 15:00	08/13/25 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/12/25 15:00	08/13/25 04:59	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/12/25 15:00	08/13/25 04:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/13/25 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/13/25 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 17:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	08/11/25 15:20	08/13/25 17:22	1
o-Terphenyl (Surr)	111		70 - 130	08/11/25 15:20	08/13/25 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 12:29	1

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-61321-14

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 14:00	08/11/25 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 14:00	08/11/25 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/11/25 14:00	08/11/25 15:43	1
1,4-Difluorobenzene (Surr)	73		70 - 130	08/11/25 14:00	08/11/25 15:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-61321-14

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/11/25 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/13/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 15:20	08/13/25 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				08/11/25 15:20	08/13/25 17:43	1
o-Terphenyl (Surr)	102		70 - 130				08/11/25 15:20	08/13/25 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/12/25 12:52	1

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-61321-15

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 14:00	08/11/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				08/11/25 14:00	08/11/25 22:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/11/25 14:00	08/11/25 22:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/11/25 22:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/13/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 18:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 18:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-61321-15

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 15:20	08/13/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				08/11/25 15:20	08/13/25 18:03	1
o-Terphenyl (Surr)	105		70 - 130				08/11/25 15:20	08/13/25 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 13:00	1

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-61321-16

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/12/25 11:26	08/12/25 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				08/12/25 11:26	08/12/25 14:09	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/12/25 11:26	08/12/25 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/12/25 14:09	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			08/13/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 15:20	08/13/25 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				08/11/25 15:20	08/13/25 18:24	1
o-Terphenyl (Surr)	89		70 - 130				08/11/25 15:20	08/13/25 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/12/25 13:07	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-61320-A-1-B MS	Matrix Spike	111	95
880-61320-A-1-C MSD	Matrix Spike Duplicate	111	93
880-61321-1	CS-1 (2')	108	95
880-61321-2	CS-2 (1.5')	107	93
880-61321-3	CS-3 (1.5')	108	93
880-61321-4	CS-4 (1.5')	106	92
880-61321-5	CS-5 (1.5')	108	91
880-61321-6	SW-1 (2')	111	92
880-61321-7	SW-2 (2')	103	89
880-61321-8	SW-3 (2')	103	93
880-61321-9	SW-4 (2')	103	91
880-61321-10	SW-5 (2')	105	94
880-61321-11	SW-6 (1.5')	106	93
880-61321-12	SW-7 (1.5')	109	97
880-61321-13	SW-8 (1.5')	106	96
880-61321-14	SW-9 (1.5')	105	73
880-61321-15	SW-10 (1.5')	77	97
880-61321-16	SW-11 (1.5')	134 S1+	111
890-8603-A-22-B MS	Matrix Spike	87	95
890-8603-A-22-C MSD	Matrix Spike Duplicate	90	87
890-8615-A-13-E MS	Matrix Spike	99	98
890-8615-A-13-F MSD	Matrix Spike Duplicate	108	98
890-8615-A-21-B MS	Matrix Spike	103	95
890-8615-A-21-C MSD	Matrix Spike Duplicate	103	115
LCS 880-116321/1-A	Lab Control Sample	142 S1+	107
LCS 880-116368/1-A	Lab Control Sample	113	91
LCS 880-116392/1-A	Lab Control Sample	103	100
LCS 880-116494/1-A	Lab Control Sample	95	97
LCSD 880-116321/2-A	Lab Control Sample Dup	122	86
LCSD 880-116368/2-A	Lab Control Sample Dup	110	92
LCSD 880-116392/2-A	Lab Control Sample Dup	103	100
LCSD 880-116494/2-A	Lab Control Sample Dup	97	104
MB 880-116321/5-A	Method Blank	72	89
MB 880-116368/5-A	Method Blank	107	91
MB 880-116392/15-A	Method Blank	107	89
MB 880-116460/5-A	Method Blank	105	91
MB 880-116494/5-A	Method Blank	101	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-61320-A-6-D MS	Matrix Spike	99	92
880-61320-A-6-E MSD	Matrix Spike Duplicate	97	92

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-61321-1

Project/Site: Lusk Deep Unit 19 (05.09.25)

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-61321-1	CS-1 (2')	104	108
880-61321-2	CS-2 (1.5')	97	97
880-61321-3	CS-3 (1.5')	97	89
880-61321-4	CS-4 (1.5')	103	97
880-61321-5	CS-5 (1.5')	99	85
880-61321-6	SW-1 (2')	90	86
880-61321-7	SW-2 (2')	94	96
880-61321-8	SW-3 (2')	105	109
880-61321-9	SW-4 (2')	101	106
880-61321-10	SW-5 (2')	103	109
880-61321-11	SW-6 (1.5')	98	100
880-61321-12	SW-7 (1.5')	103	104
880-61321-13	SW-8 (1.5')	106	111
880-61321-14	SW-9 (1.5')	100	102
880-61321-15	SW-10 (1.5')	103	105
880-61321-16	SW-11 (1.5')	92	89
LCS 880-116417/2-A	Lab Control Sample	120	125
LCSD 880-116417/3-A	Lab Control Sample Dup	126	127
MB 880-116417/1-A	Method Blank	136 S1+	149 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116321/5-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 09:18	08/11/25 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/11/25 09:18	08/11/25 13:23	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/11/25 09:18	08/11/25 13:23	1

Lab Sample ID: LCS 880-116321/1-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1088		mg/Kg		109	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130
m,p-Xylenes	0.200	0.2131		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-116321/2-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07628		mg/Kg		76	70 - 130	35	35
Toluene	0.100	0.08878		mg/Kg		89	70 - 130	14	35
Ethylbenzene	0.100	0.1271		mg/Kg		127	70 - 130	15	35
m,p-Xylenes	0.200	0.2349		mg/Kg		117	70 - 130	10	35
o-Xylene	0.100	0.1130		mg/Kg		113	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-8603-A-22-B MS

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.06191	F1	mg/Kg		62	70 - 130
Toluene	<0.00201	U F1	0.100	0.05592	F1	mg/Kg		56	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8603-A-22-B MS

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.04466	F1	mg/Kg		45	70 - 130
m,p-Xylenes	<0.00402	U F1	0.200	0.08260	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.03922	F1	mg/Kg		39	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-8603-A-22-C MSD

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.05514	F1	mg/Kg		55	70 - 130	12	35
Toluene	<0.00201	U F1	0.100	0.04362	F1	mg/Kg		44	70 - 130	25	35
Ethylbenzene	<0.00201	U F1	0.100	0.03537	F1	mg/Kg		35	70 - 130	23	35
m,p-Xylenes	<0.00402	U F1	0.200	0.06413	F1	mg/Kg		32	70 - 130	25	35
o-Xylene	<0.00201	U F1	0.100	0.03043	F1	mg/Kg		30	70 - 130	25	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-116368/5-A

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 11:26	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 12:12	08/12/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:12	08/12/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 12:12	08/12/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/11/25 12:12	08/12/25 11:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/11/25 12:12	08/12/25 11:26	1

Lab Sample ID: LCS 880-116368/1-A

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09665		mg/Kg		97	70 - 130
Toluene	0.100	0.09577		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2157		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-116368/1-A

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-116368/2-A

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	5	35
Toluene	0.100	0.09630		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	0	35
m,p-Xylenes	0.200	0.2138		mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1065		mg/Kg		106	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-61320-A-1-B MS

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09630		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.100	0.08928		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09947		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1935		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09677		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-61320-A-1-C MSD

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116368

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09345		mg/Kg		93	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08986		mg/Kg		90	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09950		mg/Kg		99	70 - 130	0	35
m,p-Xylenes	<0.00399	U	0.200	0.1940		mg/Kg		97	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09591		mg/Kg		96	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-61320-A-1-C MSD

Matrix: Solid

Analysis Batch: 116441

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116368

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-116392/15-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116392

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/12/25 15:00	08/12/25 23:39	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/12/25 15:00	08/12/25 23:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/12/25 15:00	08/12/25 23:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/12/25 15:00	08/12/25 23:39	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/12/25 15:00	08/12/25 23:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/12/25 15:00	08/12/25 23:39	1

Lab Sample ID: LCS 880-116392/1-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09942		mg/Kg		99	70 - 130		
Toluene	0.100	0.09561		mg/Kg		96	70 - 130		
Ethylbenzene	0.100	0.09836		mg/Kg		98	70 - 130		
m,p-Xylenes	0.200	0.1959		mg/Kg		98	70 - 130		
o-Xylene	0.100	0.08031		mg/Kg		80	70 - 130		

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

Lab Sample ID: LCSD 880-116392/2-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116392

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09918		mg/Kg		99	70 - 130	0	35	
Toluene	0.100	0.09521		mg/Kg		95	70 - 130	0	35	
Ethylbenzene	0.100	0.09812		mg/Kg		98	70 - 130	0	35	
m,p-Xylenes	0.200	0.1951		mg/Kg		98	70 - 130	0	35	
o-Xylene	0.100	0.07989		mg/Kg		80	70 - 130	1	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-116392/2-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116392

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

Lab Sample ID: 890-8615-A-13-E MS

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116392

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U F1	0.0990	0.05801	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1	0.0990	0.04108	F1	mg/Kg		41	70 - 130
Ethylbenzene	<0.00200	U F1	0.0990	0.03164	F1	mg/Kg		32	70 - 130
m,p-Xylenes	<0.00400	U F1	0.198	0.06007	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00200	U F1	0.0990	0.02870	F1	mg/Kg		29	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8615-A-13-F MSD

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116392

	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	0.05749	F1	mg/Kg		57	70 - 130	1	35
Toluene	<0.00200	U F1	0.100	0.03977	F1	mg/Kg		40	70 - 130	3	35
Ethylbenzene	<0.00200	U F1	0.100	0.03067	F1	mg/Kg		31	70 - 130	3	35
m,p-Xylenes	<0.00400	U F1	0.201	0.05830	F1	mg/Kg		29	70 - 130	3	35
o-Xylene	<0.00200	U F1	0.100	0.02843	F1	mg/Kg		28	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-116460/5-A

Matrix: Solid

Analysis Batch: 116439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116460

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 10:00	08/12/25 12:23	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	105		70 - 130	08/12/25 10:00	08/12/25 12:23	1				
1,4-Difluorobenzene (Surr)	91		70 - 130	08/12/25 10:00	08/12/25 12:23	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-116494/5-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116494

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 11:26	08/12/25 12:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/12/25 11:26	08/12/25 12:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 11:26	08/12/25 12:49	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		70 - 130	08/12/25 11:26	08/12/25 12:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/12/25 11:26	08/12/25 12:49	1

Lab Sample ID: LCS 880-116494/1-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09449		mg/Kg		94	70 - 130
Toluene	0.100	0.08710		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09855		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.1735		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09002		mg/Kg		90	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-116494/2-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09780		mg/Kg		98	70 - 130	3	35
Toluene	0.100	0.08990		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	4	35
m,p-Xylenes	0.200	0.1811		mg/Kg		91	70 - 130	4	35
o-Xylene	0.100	0.09256		mg/Kg		93	70 - 130	3	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8615-A-21-B MS

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.08253		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.07669		mg/Kg		77	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8615-A-21-B MS

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08415		mg/Kg		84	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1494		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07545		mg/Kg		75	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-8615-A-21-C MSD

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09458		mg/Kg		95	70 - 130	14	35
Toluene	<0.00200	U	0.100	0.08524		mg/Kg		85	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.09506		mg/Kg		95	70 - 130	12	35
m,p-Xylenes	<0.00399	U	0.200	0.1684		mg/Kg		84	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.08552		mg/Kg		86	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

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

Lab Sample ID: MB 880-116417/1-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:45	08/13/25 08:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane (Surr)	136	S1+	70 - 130						
o-Terphenyl (Surr)	149	S1+	70 - 130						

Lab Sample ID: LCS 880-116417/2-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	722.2		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	932.4		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-116417/2-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116417

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	125		70 - 130

Lab Sample ID: LCSD 880-116417/3-A

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	761.8		mg/Kg		76	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	967.0		mg/Kg		97	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	127		70 - 130

Lab Sample ID: 880-61320-A-6-D MS

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	739.8		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	75.5		996	915.7		mg/Kg		84	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 880-61320-A-6-E MSD

Matrix: Solid

Analysis Batch: 116606

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116417

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	699.8	F1	mg/Kg		68	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	75.5		996	906.9		mg/Kg		83	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116434/1-A

Matrix: Solid

Analysis Batch: 116455

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 10:21	1

Lab Sample ID: LCS 880-116434/2-A

Matrix: Solid

Analysis Batch: 116455

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.1		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-116434/3-A

Matrix: Solid

Analysis Batch: 116455

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.1		mg/Kg		95	90 - 110	5	20

Lab Sample ID: 880-61321-13 MS

Matrix: Solid

Analysis Batch: 116455

Client Sample ID: SW-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	241.6		mg/Kg		93	90 - 110

Lab Sample ID: 880-61321-13 MSD

Matrix: Solid

Analysis Batch: 116455

Client Sample ID: SW-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	253	247.6		mg/Kg		94	90 - 110	2	20

Lab Sample ID: MB 880-116421/1-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 16:02	1

Lab Sample ID: LCS 880-116421/2-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.2		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-116421/3-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	231.8		mg/Kg		93	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-61321-3 MS										Client Sample ID: CS-3 (1.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 116496													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	<9.96	U	249	239.6		mg/Kg		94	90 - 110				

Lab Sample ID: 880-61321-3 MSD										Client Sample ID: CS-3 (1.5')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 116496													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	<9.96	U	249	240.0		mg/Kg		95	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 116316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-14	SW-9 (1.5')	Total/NA	Solid	8021B	116321
880-61321-15	SW-10 (1.5')	Total/NA	Solid	8021B	116321
MB 880-116321/5-A	Method Blank	Total/NA	Solid	8021B	116321
LCS 880-116321/1-A	Lab Control Sample	Total/NA	Solid	8021B	116321
LCSD 880-116321/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116321
890-8603-A-22-B MS	Matrix Spike	Total/NA	Solid	8021B	116321
890-8603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116321

Prep Batch: 116321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-14	SW-9 (1.5')	Total/NA	Solid	5035	
880-61321-15	SW-10 (1.5')	Total/NA	Solid	5035	
MB 880-116321/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116321/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116321/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8603-A-22-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 116368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	5035	
880-61321-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-61321-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-61321-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-61321-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-61321-6	SW-1 (2')	Total/NA	Solid	5035	
880-61321-7	SW-2 (2')	Total/NA	Solid	5035	
880-61321-8	SW-3 (2')	Total/NA	Solid	5035	
880-61321-9	SW-4 (2')	Total/NA	Solid	5035	
MB 880-116368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61320-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-61320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 116392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-10	SW-5 (2')	Total/NA	Solid	5035	
880-61321-11	SW-6 (1.5')	Total/NA	Solid	5035	
880-61321-12	SW-7 (1.5')	Total/NA	Solid	5035	
880-61321-13	SW-8 (1.5')	Total/NA	Solid	5035	
MB 880-116392/15-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116392/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116392/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8615-A-13-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8615-A-13-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-16	SW-11 (1.5')	Total/NA	Solid	8021B	116494
MB 880-116494/5-A	Method Blank	Total/NA	Solid	8021B	116494

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QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 116437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	8021B	116494
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116494
890-8615-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	116494
890-8615-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116494

Analysis Batch: 116439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-10	SW-5 (2')	Total/NA	Solid	8021B	116392
880-61321-11	SW-6 (1.5')	Total/NA	Solid	8021B	116392
880-61321-12	SW-7 (1.5')	Total/NA	Solid	8021B	116392
880-61321-13	SW-8 (1.5')	Total/NA	Solid	8021B	116392
MB 880-116392/15-A	Method Blank	Total/NA	Solid	8021B	116392
MB 880-116460/5-A	Method Blank	Total/NA	Solid	8021B	116460
LCS 880-116392/1-A	Lab Control Sample	Total/NA	Solid	8021B	116392
LCSD 880-116392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116392
890-8615-A-13-E MS	Matrix Spike	Total/NA	Solid	8021B	116392
890-8615-A-13-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116392

Analysis Batch: 116441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	8021B	116368
880-61321-2	CS-2 (1.5')	Total/NA	Solid	8021B	116368
880-61321-3	CS-3 (1.5')	Total/NA	Solid	8021B	116368
880-61321-4	CS-4 (1.5')	Total/NA	Solid	8021B	116368
880-61321-5	CS-5 (1.5')	Total/NA	Solid	8021B	116368
880-61321-6	SW-1 (2')	Total/NA	Solid	8021B	116368
880-61321-7	SW-2 (2')	Total/NA	Solid	8021B	116368
880-61321-8	SW-3 (2')	Total/NA	Solid	8021B	116368
880-61321-9	SW-4 (2')	Total/NA	Solid	8021B	116368
MB 880-116368/5-A	Method Blank	Total/NA	Solid	8021B	116368
LCS 880-116368/1-A	Lab Control Sample	Total/NA	Solid	8021B	116368
LCSD 880-116368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116368
880-61320-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	116368
880-61320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116368

Prep Batch: 116460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116460/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 116494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-16	SW-11 (1.5')	Total/NA	Solid	5035	
MB 880-116494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8615-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8615-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 116504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-6	SW-1 (2')	Total/NA	Solid	Total BTEX	
880-61321-7	SW-2 (2')	Total/NA	Solid	Total BTEX	
880-61321-8	SW-3 (2')	Total/NA	Solid	Total BTEX	
880-61321-9	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-61321-10	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-61321-11	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-12	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-13	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-14	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-15	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-61321-16	SW-11 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-61321-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-6	SW-1 (2')	Total/NA	Solid	8015NM Prep	
880-61321-7	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-61321-8	SW-3 (2')	Total/NA	Solid	8015NM Prep	
880-61321-9	SW-4 (2')	Total/NA	Solid	8015NM Prep	
880-61321-10	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-61321-11	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-12	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-13	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-14	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-15	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-61321-16	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61320-A-6-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61320-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	8015B NM	116417
880-61321-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-6	SW-1 (2')	Total/NA	Solid	8015B NM	116417
880-61321-7	SW-2 (2')	Total/NA	Solid	8015B NM	116417

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QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 116606 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-8	SW-3 (2')	Total/NA	Solid	8015B NM	116417
880-61321-9	SW-4 (2')	Total/NA	Solid	8015B NM	116417
880-61321-10	SW-5 (2')	Total/NA	Solid	8015B NM	116417
880-61321-11	SW-6 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-12	SW-7 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-13	SW-8 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-14	SW-9 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-15	SW-10 (1.5')	Total/NA	Solid	8015B NM	116417
880-61321-16	SW-11 (1.5')	Total/NA	Solid	8015B NM	116417
MB 880-116417/1-A	Method Blank	Total/NA	Solid	8015B NM	116417
LCS 880-116417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116417
LCSD 880-116417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116417
880-61320-A-6-D MS	Matrix Spike	Total/NA	Solid	8015B NM	116417
880-61320-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116417

Analysis Batch: 116705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Total/NA	Solid	8015 NM	
880-61321-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-61321-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-61321-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-61321-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-61321-6	SW-1 (2')	Total/NA	Solid	8015 NM	
880-61321-7	SW-2 (2')	Total/NA	Solid	8015 NM	
880-61321-8	SW-3 (2')	Total/NA	Solid	8015 NM	
880-61321-9	SW-4 (2')	Total/NA	Solid	8015 NM	
880-61321-10	SW-5 (2')	Total/NA	Solid	8015 NM	
880-61321-11	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-61321-12	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-61321-13	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-61321-14	SW-9 (1.5')	Total/NA	Solid	8015 NM	
880-61321-15	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-61321-16	SW-11 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Soluble	Solid	DI Leach	
880-61321-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-61321-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-61321-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-61321-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-61321-6	SW-1 (2')	Soluble	Solid	DI Leach	
880-61321-7	SW-2 (2')	Soluble	Solid	DI Leach	
880-61321-8	SW-3 (2')	Soluble	Solid	DI Leach	
880-61321-9	SW-4 (2')	Soluble	Solid	DI Leach	
880-61321-10	SW-5 (2')	Soluble	Solid	DI Leach	
880-61321-11	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-61321-12	SW-7 (1.5')	Soluble	Solid	DI Leach	
MB 880-116421/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 116421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61321-3 MS	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-61321-3 MSD	CS-3 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 116434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-13	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-61321-14	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-61321-15	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-61321-16	SW-11 (1.5')	Soluble	Solid	DI Leach	
MB 880-116434/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116434/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116434/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61321-13 MS	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-61321-13 MSD	SW-8 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 116455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-13	SW-8 (1.5')	Soluble	Solid	300.0	116434
880-61321-14	SW-9 (1.5')	Soluble	Solid	300.0	116434
880-61321-15	SW-10 (1.5')	Soluble	Solid	300.0	116434
880-61321-16	SW-11 (1.5')	Soluble	Solid	300.0	116434
MB 880-116434/1-A	Method Blank	Soluble	Solid	300.0	116434
LCS 880-116434/2-A	Lab Control Sample	Soluble	Solid	300.0	116434
LCSD 880-116434/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116434
880-61321-13 MS	SW-8 (1.5')	Soluble	Solid	300.0	116434
880-61321-13 MSD	SW-8 (1.5')	Soluble	Solid	300.0	116434

Analysis Batch: 116496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61321-1	CS-1 (2')	Soluble	Solid	300.0	116421
880-61321-2	CS-2 (1.5')	Soluble	Solid	300.0	116421
880-61321-3	CS-3 (1.5')	Soluble	Solid	300.0	116421
880-61321-4	CS-4 (1.5')	Soluble	Solid	300.0	116421
880-61321-5	CS-5 (1.5')	Soluble	Solid	300.0	116421
880-61321-6	SW-1 (2')	Soluble	Solid	300.0	116421
880-61321-7	SW-2 (2')	Soluble	Solid	300.0	116421
880-61321-8	SW-3 (2')	Soluble	Solid	300.0	116421
880-61321-9	SW-4 (2')	Soluble	Solid	300.0	116421
880-61321-10	SW-5 (2')	Soluble	Solid	300.0	116421
880-61321-11	SW-6 (1.5')	Soluble	Solid	300.0	116421
880-61321-12	SW-7 (1.5')	Soluble	Solid	300.0	116421
MB 880-116421/1-A	Method Blank	Soluble	Solid	300.0	116421
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	300.0	116421
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116421
880-61321-3 MS	CS-3 (1.5')	Soluble	Solid	300.0	116421
880-61321-3 MSD	CS-3 (1.5')	Soluble	Solid	300.0	116421

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-61321-1

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 14:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 12:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 12:47	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:52	CS	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-61321-2

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 13:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 13:07	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 17:59	CS	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-61321-3

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 14:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 13:28	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 18:07	CS	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-61321-4

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 16:27	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1.5')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116705	08/13/25 13:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 13:48	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 18:28	CS	EET MID

Client Sample ID: CS-5 (1.5')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 16:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 14:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 14:09	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 18:36	CS	EET MID

Client Sample ID: SW-1 (2')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 17:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 14:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 14:30	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 18:58	CS	EET MID

Client Sample ID: SW-2 (2')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 17:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 14:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 14:52	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-61321-7

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:05	CS	EET MID

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-61321-8

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 17:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 15:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 15:13	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:12	CS	EET MID

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-61321-9

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116368	08/11/25 12:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116441	08/12/25 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 19:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 15:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 15:58	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:20	CS	EET MID

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-61321-10

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/13/25 02:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 16:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 16:19	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:27	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-61321-11

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 03:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/13/25 03:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 16:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 16:40	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:34	CS	EET MID

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-61321-12

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/13/25 04:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 17:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 17:01	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 19:42	CS	EET MID

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-61321-13

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116392	08/12/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116439	08/13/25 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/13/25 04:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 17:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 17:22	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116434	08/12/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			116455	08/12/25 12:29	CS	EET MID

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-61321-14

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116321	08/11/25 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116316	08/11/25 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/11/25 15:43	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116705	08/13/25 17:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 17:43	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116434	08/12/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			116455	08/12/25 12:52	CS	EET MID

Client Sample ID: SW-10 (1.5')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116321	08/11/25 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116316	08/11/25 22:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/11/25 22:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 18:03	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116434	08/12/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			116455	08/12/25 13:00	CS	EET MID

Client Sample ID: SW-11 (1.5')
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61321-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116504	08/12/25 14:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			116705	08/13/25 18:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116417	08/11/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116606	08/13/25 18:24	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116434	08/12/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			116455	08/12/25 13:07	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
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: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61321-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61321-1	CS-1 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-2	CS-2 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-3	CS-3 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-4	CS-4 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-5	CS-5 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-6	SW-1 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-7	SW-2 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-8	SW-3 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-9	SW-4 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-10	SW-5 (2')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-11	SW-6 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-12	SW-7 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-13	SW-8 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-14	SW-9 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-15	SW-10 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico
880-61321-16	SW-11 (1.5')	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico

Chain of Custody



880-61321 Chain of Custody

Page 1 of 2

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

Project Name: Lusk Deep Unit 19 SWD (05.09.25)		Turn Around		Pres. Codes	
Project Number: 2744		☐ Routine ☒ Rush			
Project Location: Lea County, New Mexico		Due Date: 72 HR TAT			
Sampler's Name: CMM					
PO #:					

SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Received Intact:	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
Cooler Custody Seals:	Yes	No	N/A										
Sample Custody Seals:	Yes	No	N/A										
Total Containers:													

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Codes	ANALYSIS REQUEST										Preservative Codes	Sample Comments
CS-1 (2')	8/4/2025		X		C	1											None: NO	DI Water: H ₂ O		
CS-2 (1.5')	8/4/2025		X		C	1											Cool: Cool	MeOH: Me		
CS-3 (1.5')	8/4/2025		X		C	1											HCL: HC	HNO ₃ : HN		
CS-4 (1.5')	8/4/2025		X		C	1											H ₂ SO ₄ : H ₂	NaOH: Na		
CS-5 (1.5')	8/4/2025		X		C	1											H ₃ PO ₄ : HP			
SW-1 (2')	8/4/2025		X		C	1											NaHSO ₄ : NABIS			
SW-2 (2')	8/4/2025		X		C	1											Na ₂ S ₂ O ₃ : NaSO ₃			
SW-3 (2')	8/4/2025		X		C	1											Zn Acetate+NaOH: Zn			
SW-4 (2')	8/4/2025		X		C	1											NaOH+Ascorbic Acid: SAPC			
SW-5 (2')	8/4/2025		X		C	1														

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/14/25 10:36		8/14/25 10:30



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/13/2025 11:13:42 AM

JOB DESCRIPTION

Lusk Deep Unit 19 (05.09.25)
Lea County, New Mexico

JOB NUMBER

880-61319-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

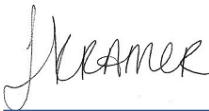
Eurofins Midland

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
8/13/2025 11:13:42 AM

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

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Laboratory Job ID: 880-61319-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1

Job ID: 880-61319-1**Eurofins Midland****Job Narrative
880-61319-1**

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 8/11/2025 10:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116321 and analytical batch 880-116316 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: (LCS 880-116321/1-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.

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill

Lab Sample ID: 880-61319-1

Date Collected: 08/04/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:05	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/11/25 14:00	08/11/25 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 14:00	08/11/25 15:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/25 14:00	08/11/25 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/11/25 14:00	08/11/25 15:05	1
1,4-Difluorobenzene (Surr)	70		70 - 130	08/11/25 14:00	08/11/25 15:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/11/25 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/11/25 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 11:28	08/11/25 17:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 11:28	08/11/25 17:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 11:28	08/11/25 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	08/11/25 11:28	08/11/25 17:16	1
o-Terphenyl (Surr)	70		70 - 130	08/11/25 11:28	08/11/25 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 16:24	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-61319-1	Backfill	100	70
890-8603-A-22-B MS	Matrix Spike	87	95
890-8603-A-22-C MSD	Matrix Spike Duplicate	90	87
LCS 880-116321/1-A	Lab Control Sample	142 S1+	107
LCSD 880-116321/2-A	Lab Control Sample Dup	122	86
MB 880-116321/5-A	Method Blank	72	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-61318-A-7-C MS	Matrix Spike	82	78
880-61318-A-7-D MSD	Matrix Spike Duplicate	98	77
880-61319-1	Backfill	89	70
LCS 880-116344/2-A	Lab Control Sample	97	101
LCSD 880-116344/3-A	Lab Control Sample Dup	100	101
MB 880-116344/1-A	Method Blank	109	105
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116321/5-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:18	08/11/25 13:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 09:18	08/11/25 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/11/25 09:18	08/11/25 13:23	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/11/25 09:18	08/11/25 13:23	1

Lab Sample ID: LCS 880-116321/1-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1088		mg/Kg		109	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130
m,p-Xylenes	0.200	0.2131		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-116321/2-A

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07628		mg/Kg		76	70 - 130	35	35
Toluene	0.100	0.08878		mg/Kg		89	70 - 130	14	35
Ethylbenzene	0.100	0.1271		mg/Kg		127	70 - 130	15	35
m,p-Xylenes	0.200	0.2349		mg/Kg		117	70 - 130	10	35
o-Xylene	0.100	0.1130		mg/Kg		113	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 890-8603-A-22-B MS

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.06191	F1	mg/Kg		62	70 - 130
Toluene	<0.00201	U F1	0.100	0.05592	F1	mg/Kg		56	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-8603-A-22-B MS

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.04466	F1	mg/Kg		45	70 - 130
m,p-Xylenes	<0.00402	U F1	0.200	0.08260	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.03922	F1	mg/Kg		39	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	87		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-8603-A-22-C MSD

Matrix: Solid

Analysis Batch: 116316

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.05514	F1	mg/Kg		55	70 - 130	12	35
Toluene	<0.00201	U F1	0.100	0.04362	F1	mg/Kg		44	70 - 130	25	35
Ethylbenzene	<0.00201	U F1	0.100	0.03537	F1	mg/Kg		35	70 - 130	23	35
m,p-Xylenes	<0.00402	U F1	0.200	0.06413	F1	mg/Kg		32	70 - 130	25	35
o-Xylene	<0.00201	U F1	0.100	0.03043	F1	mg/Kg		30	70 - 130	25	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	90		70 - 130								
1,4-Difluorobenzene (Surr)	87		70 - 130								

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

Lab Sample ID: MB 880-116344/1-A

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116344

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:28	08/11/25 09:30	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				08/11/25 11:28	08/11/25 09:30	1
o-Terphenyl (Surr)	105		70 - 130				08/11/25 11:28	08/11/25 09:30	1

Lab Sample ID: LCS 880-116344/2-A

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.7		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	825.3		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-116344/2-A

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116344

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-116344/3-A

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116344

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	905.9		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	829.5		mg/Kg		83	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 880-61318-A-7-C MS

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116344

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	849.8		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	998	783.3		mg/Kg		78	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	78		70 - 130

Lab Sample ID: 880-61318-A-7-D MSD

Matrix: Solid

Analysis Batch: 116387

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116344

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	837.5		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	998	759.9		mg/Kg		76	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	77		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116421/1-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/12/25 16:02	1

Lab Sample ID: LCS 880-116421/2-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.2		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-116421/3-A

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	231.8		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-61319-1 MS

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	240.8		mg/Kg		94	90 - 110

Lab Sample ID: 880-61319-1 MSD

Matrix: Solid

Analysis Batch: 116496

Client Sample ID: Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	241.2		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 116316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	8021B	116321
MB 880-116321/5-A	Method Blank	Total/NA	Solid	8021B	116321
LCS 880-116321/1-A	Lab Control Sample	Total/NA	Solid	8021B	116321
LCSD 880-116321/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116321
890-8603-A-22-B MS	Matrix Spike	Total/NA	Solid	8021B	116321
890-8603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116321

Prep Batch: 116321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	5035	
MB 880-116321/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116321/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116321/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8603-A-22-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8603-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-116344/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116344/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61318-A-7-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61318-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	8015B NM	116344
MB 880-116344/1-A	Method Blank	Total/NA	Solid	8015B NM	116344
LCS 880-116344/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116344
LCSD 880-116344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116344
880-61318-A-7-C MS	Matrix Spike	Total/NA	Solid	8015B NM	116344
880-61318-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116344

Analysis Batch: 116469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Soluble	Solid	DI Leach	
MB 880-116421/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 116421 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1 MS	Backfill	Soluble	Solid	DI Leach	
880-61319-1 MSD	Backfill	Soluble	Solid	DI Leach	

Analysis Batch: 116496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61319-1	Backfill	Soluble	Solid	300.0	116421
MB 880-116421/1-A	Method Blank	Soluble	Solid	300.0	116421
LCS 880-116421/2-A	Lab Control Sample	Soluble	Solid	300.0	116421
LCSD 880-116421/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116421
880-61319-1 MS	Backfill	Soluble	Solid	300.0	116421
880-61319-1 MSD	Backfill	Soluble	Solid	300.0	116421

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Client Sample ID: Backfill
Date Collected: 08/04/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61319-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	116321	08/11/25 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116316	08/11/25 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116503	08/11/25 15:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			116469	08/11/25 17:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116344	08/11/25 11:28	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116387	08/11/25 17:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116421	08/11/25 15:27	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116496	08/12/25 16:24	CS	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
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: Lusk Deep Unit 19 (05.09.25)

Job ID: 880-61319-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61319-1	Backfill	Solid	08/04/25 00:00	08/11/25 10:30	New Mexico

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

Chain of Custody



61319 Chain of Custody

Page 1 of 1

Work Order Comments

Program: ☐UST/☐ST ☐PRP ☐Brownfields ☐RRC ☐Superfund

State of Project: ☐Level I ☐Level II ☐Level III ☐ST/UST ☐RRP ☐Level IV

Deliverables: ☐EDD ☐ADAPT ☐Other:

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/11/25 1030		8/11/25 1030

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61319-1
SDG Number: Lea County, New Mexico

Login Number: 61319

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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

QUESTIONS

Action 523918

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514235524
Incident Name	NAPP2514235524 LUSK DEEP UNIT A 019 @ N-17-19S-32E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Lusk Deep Unit A 019
Date Release Discovered	05/09/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 7 BBL Recovered: 6 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/06/2025
--	---

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QUESTIONS, Page 3

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/31/2025
On what date will (or did) the final sampling or liner inspection occur	08/04/2025
On what date will (or was) the remediation complete(d)	09/03/2025
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	1000
What is the estimated volume (in cubic yards) that will be remediated	50
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	523918
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND 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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	490611
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/04/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	580

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1000
What was the total volume (cubic yards) remediated	50
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)	n a
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/06/2025

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QUESTIONS, Page 7

Action 523918

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 523918

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523918
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2514235524 Lusk Deep Unit A 019, thank you. This Remediation Closure Report is approved.	12/3/2025