CARMONA RESOURCES

SITE INFORMATION

Closure Report
Ling Federal #3 Battery (12.26.2024)
Incident # NAPP2500332961
Lea County, New Mexico
Unit B Sec 31 T19S R34E
32.621889°, -103.597802°

Crude Oil Release
Point of Release: Tank Overflow
Release Date: 12.26.2024
Volume Released: 16 barrels of Crude Oil
Volume Recovered: 9 barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Fasken Oil and Ranch, Ltd.
6101 Holiday Hill Road
Midland, Texas 79707

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

CARMONA RESOURCES

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

CARMONA RESOURCES

March 5, 2025

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

Re: Closure Report
Ling Federal #3 Battery (12.26.2024)
Fasken Oil and Ranch, Ltd.
Incident # NAPP2500332961
Site Location: Unit B, S31, T19S, R34E
(Lat 32.621889º, Long -103.597802º)
Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd., Carmona Resources, LLC has prepared this letter to document the Ling Federal #3 Battery site activities. The site is located at 32.621889 º, -103.597802º within Unit B, S31, T19S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 26, 2024, due to a check valve malfunctioning and causing the tank to overflow. It resulted in the release of approximately sixteen (16) barrels of crude oil, with nine (9) barrels of crude oil being recovered. The impacted area remained on the well pad, as shown in Figure 3. The Notification of Release and initial C-141 forms are 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 source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.39 miles Southeast of the site in S31, T19S, 34E and was drilled in 1976. The well has a reported depth of 147.58 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On January 14, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 and S-2) and four (4) horizontal samples (H-1 through H-5) were advanced to depths ranging from the surface to 5.0’ bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and

310 West Wall Street, Suite 500
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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. Refer to Table 1 for the analytical results. The sample locations are shown in Figure 3.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on February 18, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for correspondence. A total of seven (7) floor confirmation samples were collected (CS-1 through CS-7), and ten (10) sidewall samples (SW-1 through SW-10) 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 displayed in Figure 4.

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

Before the excavation was backfilled, a composite sample was collected on February 20, 2025. The backfill material was sourced locally from Lea Land Pit. Refer to Table 2. Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. Approximately 1,286 square feet of contaminated material was remediated, resulting in approximately 127 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

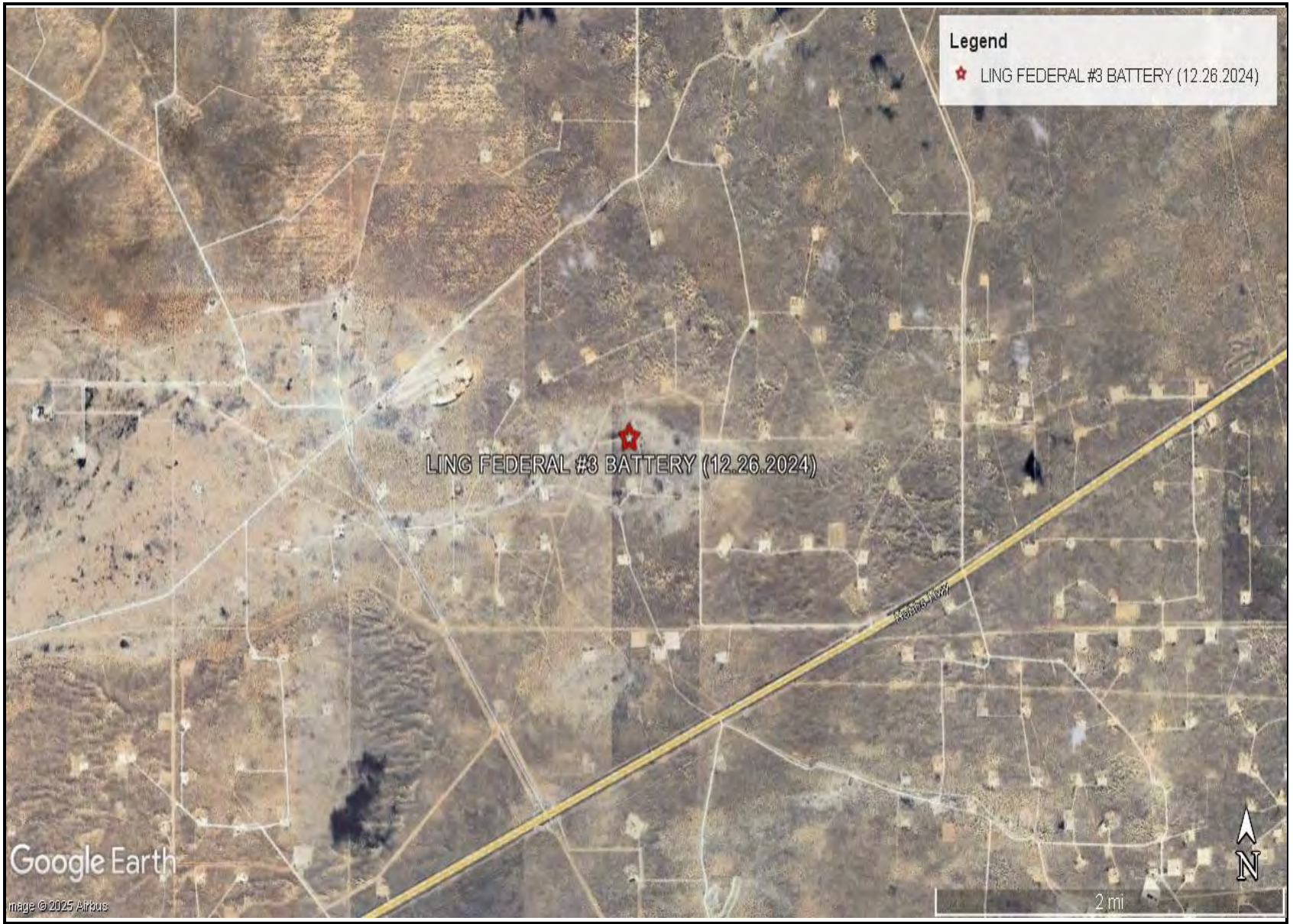
Conner Moehring
Environmental Manager

Ivan Ramos
Project Manager

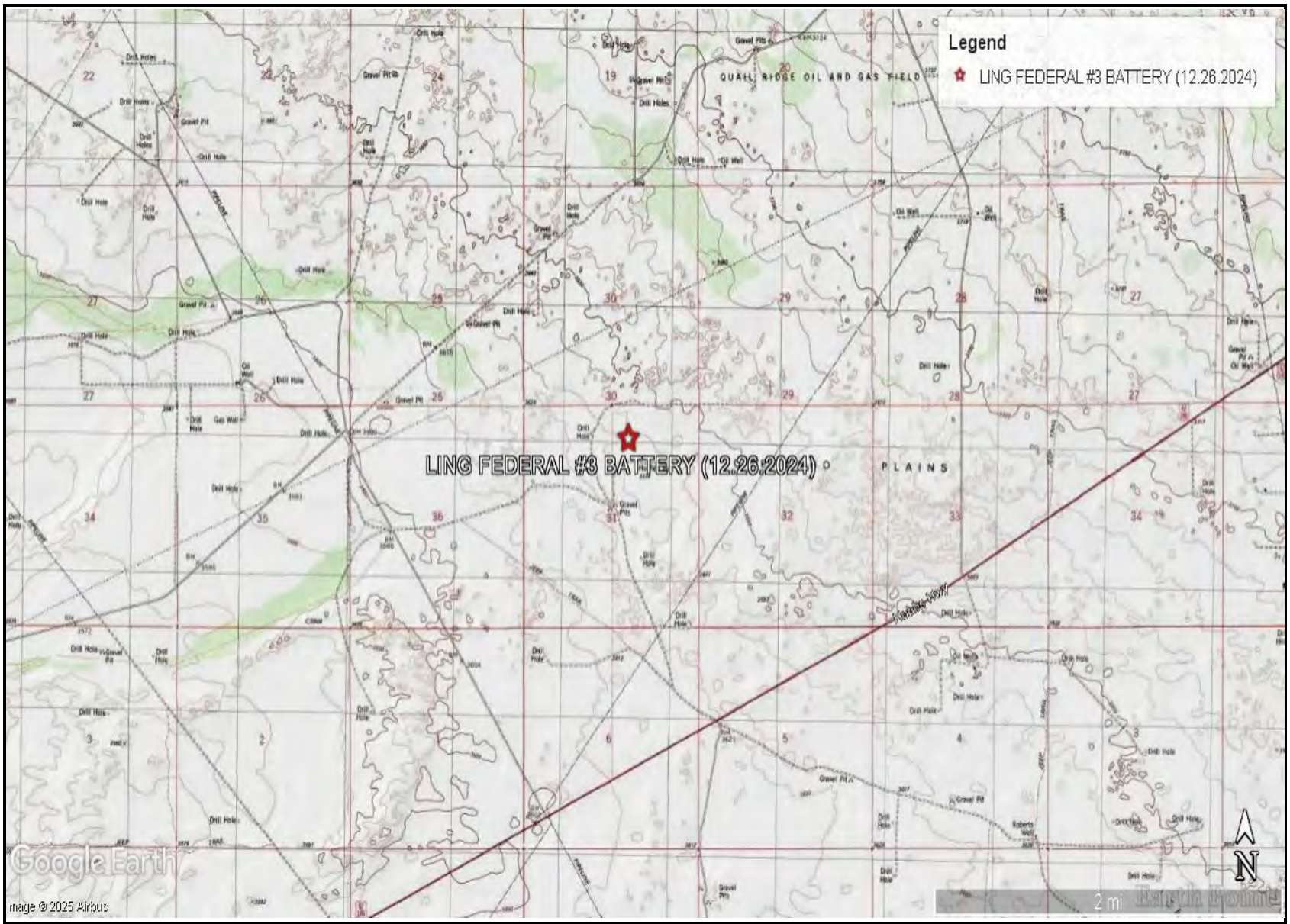
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES

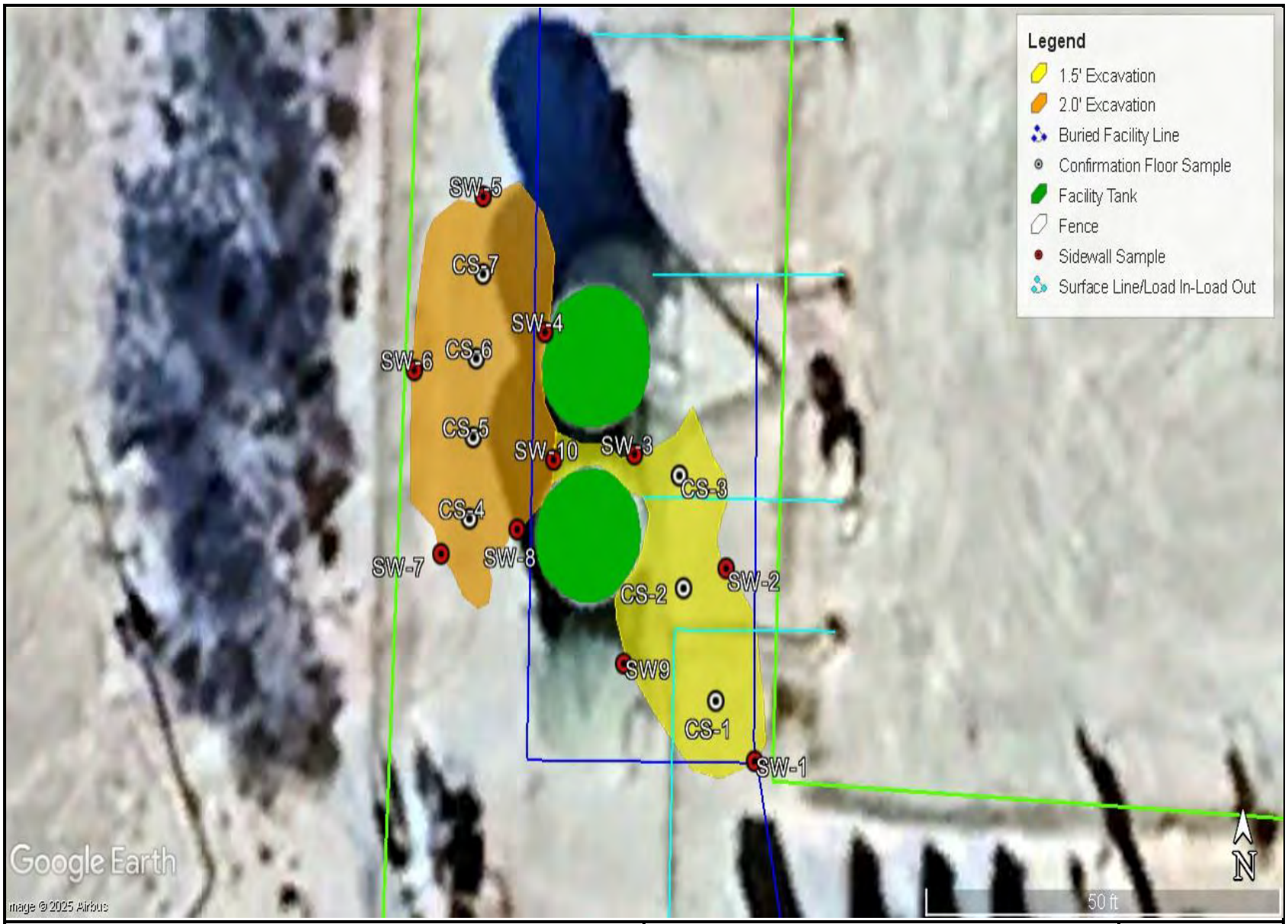


OVERVIEW MAP FASKEN OIL AND RANCH, LTD. LING FEDERAL #3 BATTERY (12.26.2024) LEA COUNTY, NEW MEXICO 32.621889, -103.597802	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP FASKEN OIL AND RANCH, LTD. LING FEDERAL #3 BATTERY (12.26.2024) LEA COUNTY, NEW MEXICO 32.621889, -103.597802	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP FASKEN OIL AND RANCH, LTD. LING FEDERAL #3 BATTERY (12.26.2024) LEA COUNTY, NEW MEXICO 32.621889, -103.597802	CARMONA RESOURCES	FIGURE 3



EXCAVATION DEPTH MAP FASKEN OIL AND RANCH, LTD. LING FEDERAL #3 BATTERY (12.26.2024) LEA COUNTY, NEW MEXICO 32.621889, -103.597802	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil & Ranch
Ling Federal #3 Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	1/14/2025	0-1'	**1,920**	**1,670**	<49.8	**3,590**	**19.7**	147	59.3	125	**351**	111
	"	1.5'	<49.8	<49.8	<49.8	<49.8	0.221	2.79	1.62	3.39	8.02	85.9
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.100	0.160	0.135	3.00	3.29	80.1
	"	3'	<50.0	<50.0	<50.0	<50.0	0.00504	0.0164	0.00320	0.00896	0.0336	103
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.0504	<0.0504	<0.0504	<0.101	<0.101	79.6
	"	5'	<49.9	<49.9	<49.9	<49.9	0.00557	<0.00200	<0.00200	<0.00399	0.00557	33.8
S-2	1/14/2025	0-1'	<49.7	49.8	<49.7	49.8	0.103	1.01	0.544	14.1	15.7	93.7
	"	1.5'	**287**	**479**	<49.7	**766**	0.438	12.7	9.65	19.8	42.6	38.6
	"	2'	<49.8	<49.8	<49.8	<49.8	0.00530	0.0113	0.00397	0.00875	0.0293	65.6
	"	3'	<49.8	<49.8	<49.8	<49.8	0.0201	0.240	0.175	0.371	0.806	27.9
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.00666	0.00666	101
H-1	1/14/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00233	<0.00199	<0.00199	<0.00398	<0.00398	20.3
H-2	1/14/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00248	<0.00202	<0.00202	<0.00403	<0.00403	23.7
H-3	1/14/2025	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.003	<0.00200	<0.00200	<0.00399	<0.00399	32.3
H-4	1/14/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00215	<0.00202	<0.00202	<0.00403	<0.00403	23.2
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 Point
Removed

Table 2
Fasken Oil & Ranch
Ling Federal #3 Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/20/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
CS-2	2/20/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.98
CS-3	2/20/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
CS-4	2/20/2025	2'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.98
CS-5	2/20/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
CS-6	2/20/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
CS-7	2/20/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
SW-1	2/20/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
SW-2	2/20/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
SW-3	2/20/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
SW-4	2/20/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
SW-5	2/20/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
SW-6	2/20/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.92
SW-7	2/20/2025	2'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
SW-8	2/20/2025	2'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
SW-9	2/20/2025	2'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.94
SW-10	2/20/2025	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
Lea Land Pit	2/20/2025	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<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

Fasken Oil and Ranch

Photograph No. 1

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View South, area of CS-1.

Photograph No. 2

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View North, area of CS-2.

Photograph No. 3

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View South, area of CS-3.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 4

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View South, area of CS-4.

Photograph No. 5

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View Southwest, area of CS-5 through CS-7.

Photograph No. 6

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View North of backfilled area.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 7

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

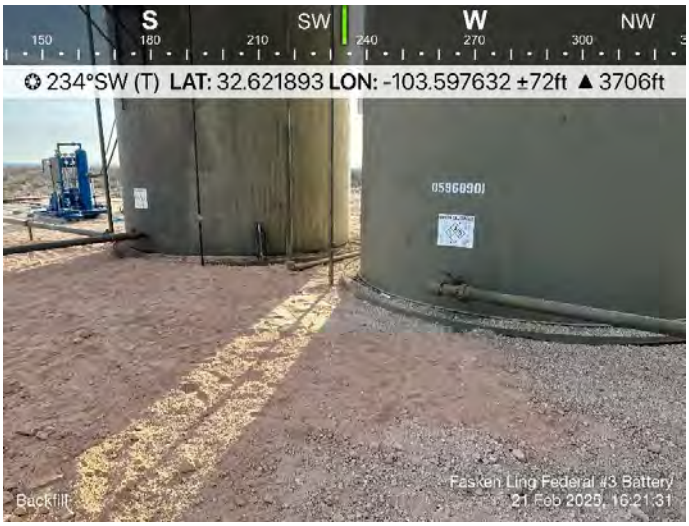
Description:
View South of backfilled area.

Photograph No. 8

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View Southwest of backfilled area.



Photograph No. 9

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View South of backfilled area.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 10

Facility: Ling Federal #3 Battery (12.26.2024)

County: Lea County, New Mexico

Description:
View North of backfilled area.

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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416823
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Ling Federal #3 Battery
Date Release Discovered	12/26/2024
Surface Owner	Federal

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Valve | Crude Oil | Released: 16 BBL | Recovered: 9 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Check Valves failed on tank and caused overflow

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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 (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416823
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416823
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

Sante Fe Main Office
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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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416823
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
along	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/3/2025

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Ling Fed #3 Battery **Date of Spill:** 26-Dec-2024

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank **place an "X" here:** X

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here:	0.0 BBL	0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	19 ft		45 ft	X	5.00 in	100%
Rectangle Area #2	14 ft	X	2 ft	X	5.00 in	100%
Rectangle Area #3	37 ft	X	18 ft	X	5.00 in	100%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A *(place an "X")*

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 9 BBL okay

Percentage of Oil in Free Liquid Recovered: 100% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* Sand = **0.08** gallon (gal.) liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.14** gal. liquid per gal. volume of soil.
* Sandy clay loam soil = **0.14** gal liquid per gal. volume of soil.
* Clay loam = **0.16** gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occurs when the spill soaked soil is contained by barriers, natural (or not).
* Clay loam = **0.20** gal. liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.25** gal. liquid per gal. volume of soil.
* Sandy loam = **0.5** gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 1,549 sq. ft. cu. ft. 645 cu. ft.

Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	0.0 BBL	16.1 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	**0.0 BBL**	**16.1 BBL**
Total Liquid Spill Liquid:	**0.0 BBL**	**16.09 BBL**

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 1,549 sq. ft.

Surface Area: .0356 acre

Recovered Volumes

Estimated oil recovered: BBL check - okay

Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil = 72,287 lbs 645 cu. ft. 24 cu. yds.

Total Liquid = 16 BBL 676 gallon 5,623 lbs

Air Emission from flowline leaks:

Volume of oil spill:	-	BBL
Separator gas calculated:	-	MCF
Separator gas released:	-	MCF
Gas released from oil:	-	lb
H2S released:	-	lb
Total HC gas released:	-	lb
Total HC gas released:	-	MCF

Air Emission of Reporting Requirements:

	New Mexico	Texas
HC gas release reportable?	NO	NO
H2S release reportable?	NO	NO

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 416843

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416843
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500332961**
Incident Name	**NAPP2500332961 LING FEDERAL #3 BATTERY @ 30-025-38608**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Well	**[30-025-38608] LING FEDERAL #003**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Ling Federal #3 Battery
Date Release Discovered	12/26/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Valve | Crude Oil | Released: 16 BBL | Recovered: 9 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Check Valves failed on tank and caused overflow

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416843
	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: Addison Long Email: addisonl@forl.com Date: 01/03/2025

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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 (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416843
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 416843
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/3/2025

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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 432890

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 432890
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500332961**
Incident Name	**NAPP2500332961 LING FEDERAL #3 BATTERY @ 30-025-38608**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-38608] LING FEDERAL #003**

Location of Release Source	
Site Name	**Ling Federal #3 Battery**
Date Release Discovered	**12/26/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,300
What is the estimated number of samples that will be gathered	18
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/20/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Conner Moehring, 432-813-6823
Please provide any information necessary for navigation to sampling site	32.621889, -103.597802

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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 432890
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

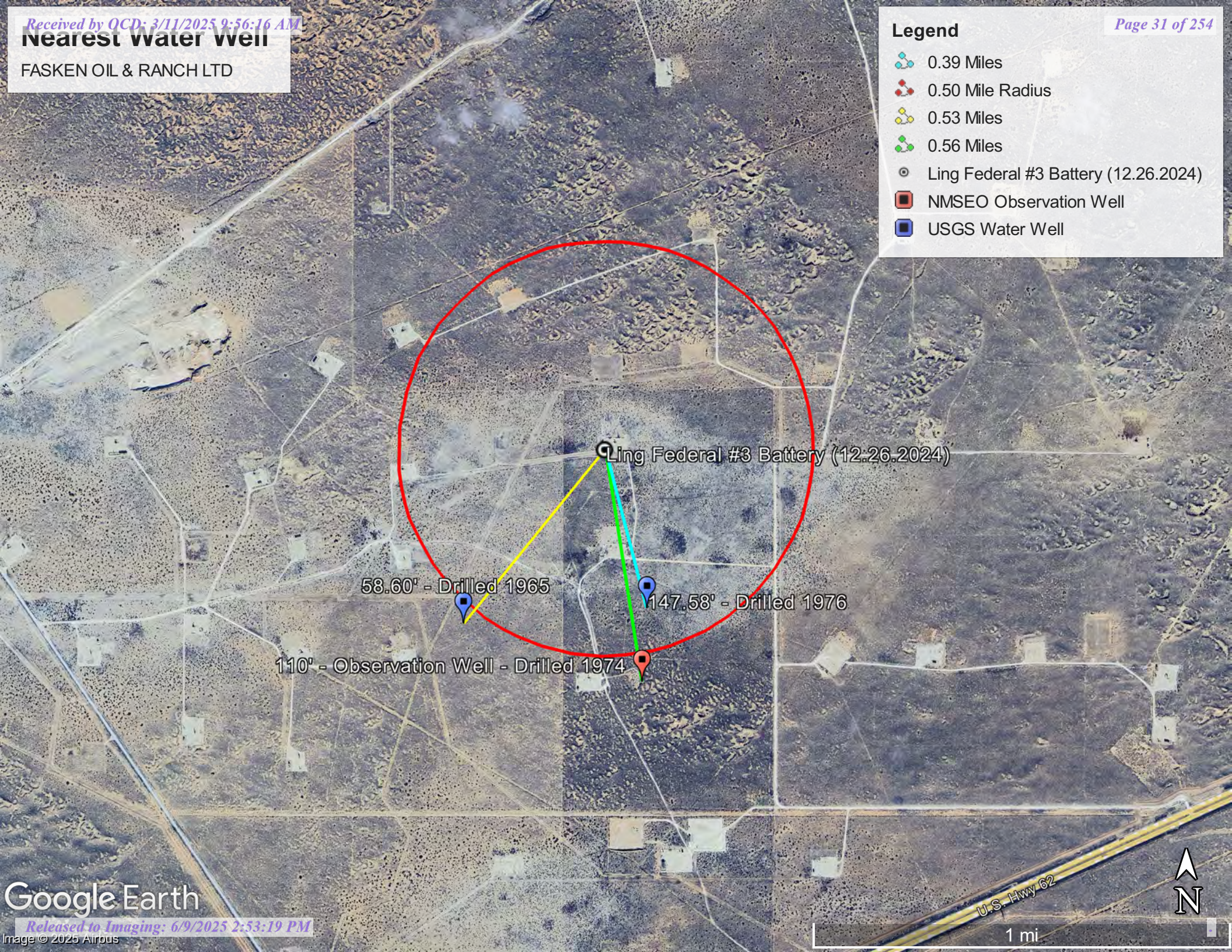
Created By	Condition	Condition Date
along	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/18/2025

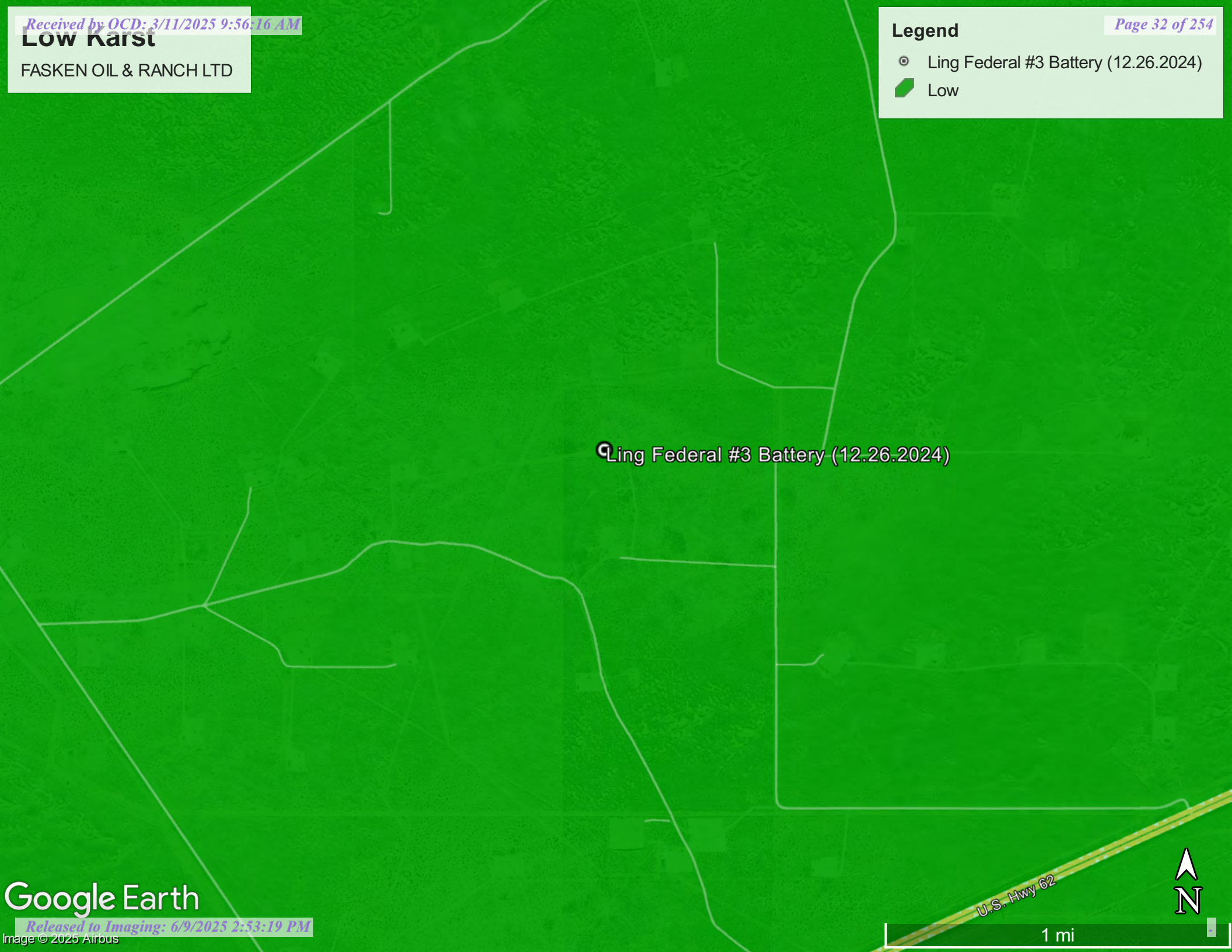
APPENDIX D

CARMONA RESOURCES

Nearest Water Well

FASKEN OIL & RANCH LTD





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
L 07213		L	LE	SE	NW	SE	31	19S	34E	631700.0	3609351.0 *		209	160	110	50
CP 00748 POD1		CP	LE			NE	01	20S	33E	630197.0	3608428.0 *		1595			
CP 00658 POD1		CP	LE	NE	NE	SE	26	19S	33E	628857.0	3611125.0 *		3170	100		
CP 01865 POD1		CP	LE	SE	SW	NE	02	20S	33E	628390.1	3608155.4		3327	105	0	105
CP 00750 POD1		CP	LE		SW	SE	07	20S	34E	631639.0	3605834.0 *		3530	320		

Average Depth to Water: **55 feet**

Minimum Depth: **0 feet**

Maximum Depth: **110 feet**

Record Count: 5

UTM Filters (in meters):

Easting: 631491.00

Northing: 3609361.00

Radius: 4000

*** UTM location was derived from PLSS - see Help**

Revised June 1972

5120A

FIELD ENGR. LOG

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well McVay Drilling Company Owner's Well No. Quail State#1

Street or Post Office Address P.O. Box 924

City and State Hobbs, New Mexico 88240

Well was drilled under Permit No. L-7213 and is located in the:

a. ____ ¼ SE ¼ NE ¼ SE ¼ of Section 3 Township 19 Range 34E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in Lea County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46

Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 5/4/74 Completed 5/5/74 Type tools Cable Size of hole 8½ in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 160 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 110 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
110	160	50	Brown sand	50

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	10	0	160	160	NONE	110	160

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
					Cement at top

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by:

____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 5/15/74

Quad ____ FWL ____ FSL ____

File No. L-7213 Use OWD Location No. 19.34.3.424

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	1	1	Top soil
1	25	24	Caliche
25	110	85	Sand and gravel
110	150	40	Water sand
150	160	10	Sandy clay

Section 7. REMARKS AND ADDITIONAL INFORMATION

1974 MAY 15 AM 8:31
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N.M.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Murrell Abbott
Driller

H.B.

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled. In case this form is used as a plugging record, only Section 1(a) and Section 7 need be completed.

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323659103354601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 323659103354601 19S.34E.31.232 DUP

Lea County, New Mexico
Latitude 32°36'59", Longitude 103°35'46" NAD27
Land-surface elevation 3,630 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-15		D	62610		3480.87	NGVD29	P	Z			A
1976-12-15		D	62611		3482.42	NAVD88	P	Z			A
1976-12-15		D	72019	147.58			P	Z			A

Explanation

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323657103361301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 323657103361301 19S.34E.31.13220

Lea County, New Mexico
Latitude 32°36'57", Longitude 103°36'13" NAD27
Land-surface elevation 3,618 feet above NAVD88
The depth of the well is 66 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

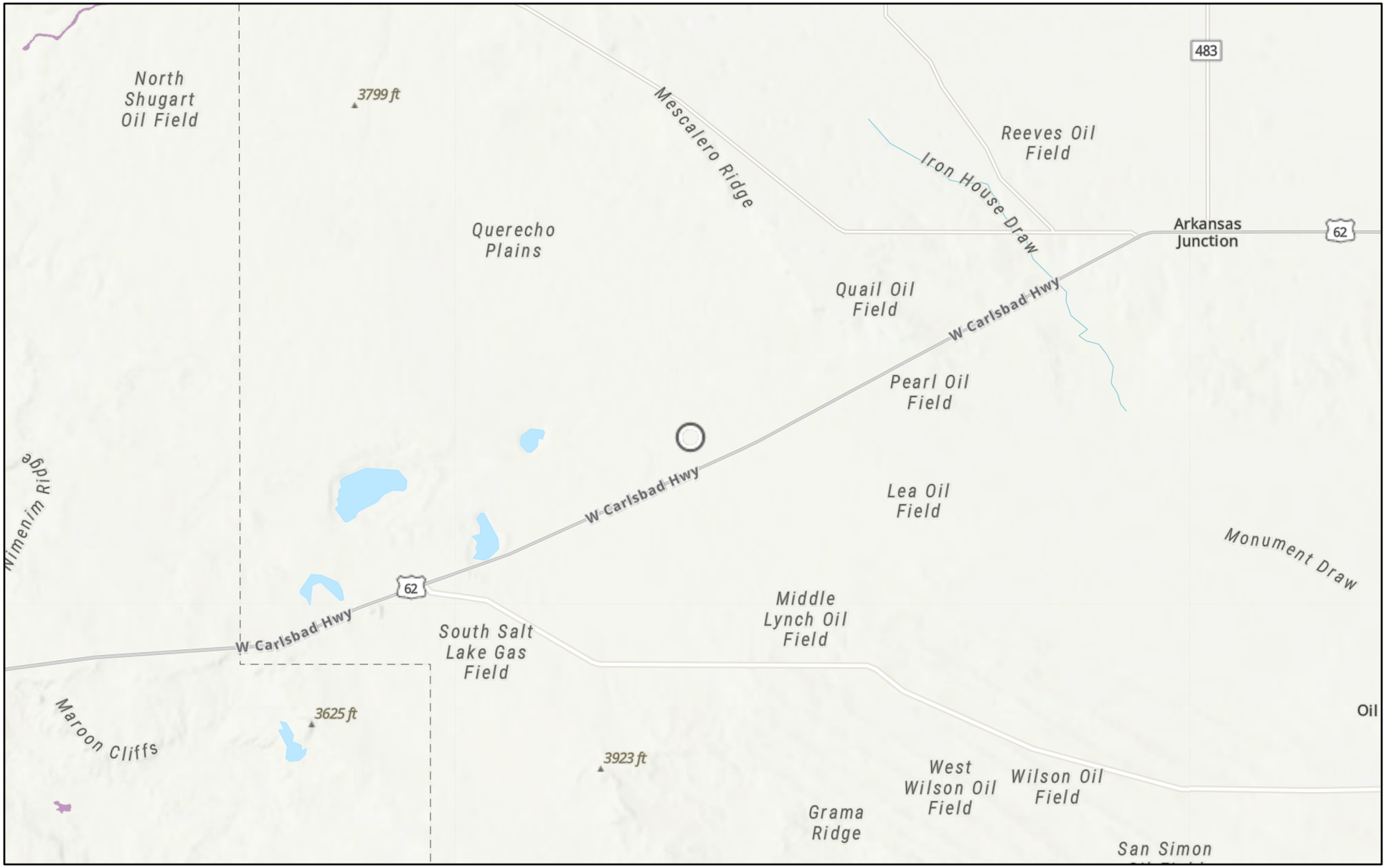
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-11-17		D	62610		3557.85	NGVD29	P	Z			A
1965-11-17		D	62611		3559.40	NAVD88	P	Z			A
1965-11-17		D	72019	58.60			P	Z			A

Explanation

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

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Ling Federal #3 Battery (12.26.2024)



1/10/2025

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World Hillshade

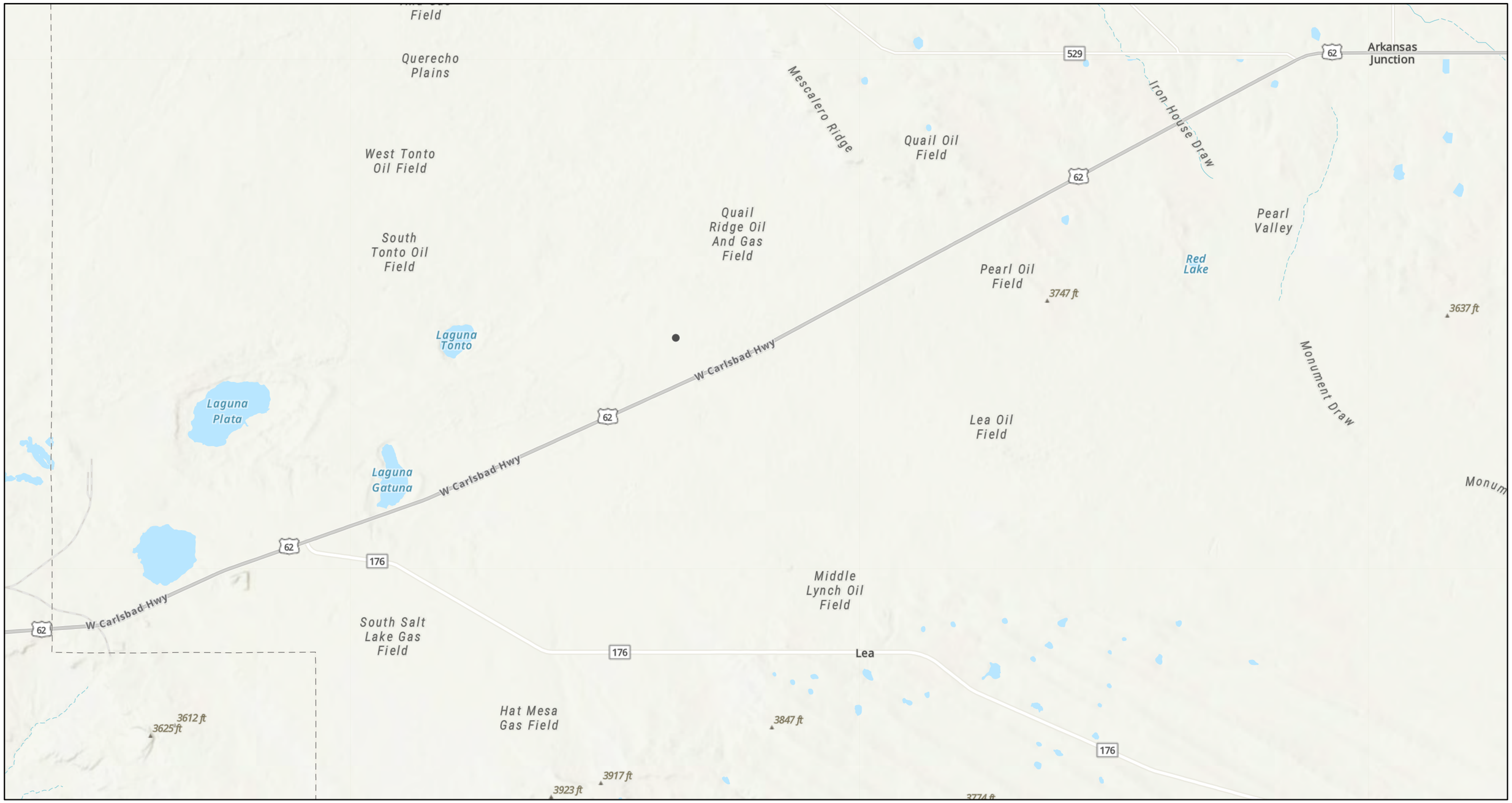
1:288,895

0 2 4 8 mi

0 3.25 6.5 13 km

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

Ling Federal #3 Battery (12.26.2024)



1/10/2025, 1:27:32 PM

1:144,448

0 1.5 3 6 mi

0 2.5 5 10 km

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

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/20/2025 11:33:56 AM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53220-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

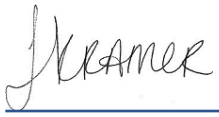
Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/20/2025 11:33:56 AM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53220-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Ling Federal #3 Battery

Job ID: 880-53220-1

Job ID: 880-53220-1 Eurofins Midland

Job Narrative
880-53220-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-53220-1) and S-2 (0-1') (880-53220-2).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-53220-1). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53220-1
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19.7		0.0990		mg/Kg		01/15/25 09:58	01/16/25 05:11	50
Toluene	147		1.00		mg/Kg		01/17/25 09:23	01/17/25 14:57	500
Ethylbenzene	59.3		0.401		mg/Kg		01/17/25 09:23	01/17/25 14:30	200
m-Xylene & p-Xylene	90.5		0.802		mg/Kg		01/17/25 09:23	01/17/25 14:30	200
o-Xylene	34.9		0.401		mg/Kg		01/17/25 09:23	01/17/25 14:30	200
Xylenes, Total	125		0.802		mg/Kg		01/17/25 09:23	01/17/25 14:30	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*442*	*S1+*	*70 - 130*	*01/15/25 09:58*	*01/16/25 05:11*	*50*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/15/25 09:58*	*01/16/25 05:11*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	351		0.802		mg/Kg			01/17/25 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3590		49.8		mg/Kg			01/17/25 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1920		49.8		mg/Kg		01/15/25 10:28	01/17/25 10:57	1
Diesel Range Organics (Over C10-C28)	1670		49.8		mg/Kg		01/15/25 10:28	01/17/25 10:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*01/15/25 10:28*	*01/17/25 10:57*	*1*
o-Terphenyl	*110*		*70 - 130*	*01/15/25 10:28*	*01/17/25 10:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		10.0		mg/Kg			01/15/25 20:53	1

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

Lab Sample ID: 880-53220-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.103		0.100		mg/Kg		01/15/25 09:58	01/16/25 05:32	50
Toluene	1.01		0.100		mg/Kg		01/15/25 09:58	01/16/25 05:32	50
Ethylbenzene	0.544		0.100		mg/Kg		01/15/25 09:58	01/16/25 05:32	50
m-Xylene & p-Xylene	0.784		0.201		mg/Kg		01/15/25 09:58	01/16/25 05:32	50
o-Xylene	13.3		0.100		mg/Kg		01/15/25 09:58	01/16/25 05:32	50
Xylenes, Total	14.1		0.201		mg/Kg		01/15/25 09:58	01/16/25 05:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/15/25 09:58*	*01/16/25 05:32*	*50*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/15/25 09:58*	*01/16/25 05:32*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53220-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**15.7**		0.201		mg/Kg			01/16/25 05:32	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**		49.7		mg/Kg			01/17/25 11:13	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	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 11:13	1
Diesel Range Organics (Over C10-C28)	**49.8**		49.7		mg/Kg		01/15/25 10:28	01/17/25 11:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:13*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.7**		10.0		mg/Kg			01/15/25 20:59	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
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)										
880-53210-A-11-A MS	Matrix Spike	116	100										
880-53210-A-11-B MSD	Matrix Spike Duplicate	121	100										
880-53220-1	S-1 (0-1')	442 S1+	100										
880-53220-2	S-2 (0-1')	115	85										
880-53343-A-1-A MS	Matrix Spike	97	98										
880-53343-A-1-B MSD	Matrix Spike Duplicate	94	104										
LCS 880-100301/1-A	Lab Control Sample	118	100										
LCS 880-100498/1-A	Lab Control Sample	93	98										
LCSD 880-100301/2-A	Lab Control Sample Dup	121	101										
LCSD 880-100498/2-A	Lab Control Sample Dup	87	95										
MB 880-100289/5-A	Method Blank	117	98										
MB 880-100301/5-A	Method Blank	120	98										
MB 880-100498/5-A	Method Blank	90	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)										
880-53219-A-1-B MS	Matrix Spike	83	84										
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83										
880-53220-1	S-1 (0-1')	104	110										
880-53220-2	S-2 (0-1')	80	73										
LCS 880-100310/2-A	Lab Control Sample	77	78										
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88										
MB 880-100310/1-A	Method Blank	112	109										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100289/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*

Lab Sample ID: MB 880-100301/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*

Lab Sample ID: LCS 880-100301/1-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100301/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-53210-A-11-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1080		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0992	0.1057		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2086		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1069		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-53210-A-11-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1078		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1092		mg/Kg		109	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-100498/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100506 — **Prep Batch: 100498**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/17/25 09:23	01/17/25 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/17/25 09:23	01/17/25 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/17/25 09:23	01/17/25 13:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/17/25 09:23	01/17/25 13:11	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100498/5-A
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/17/25 09:23	01/17/25 13:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/17/25 09:23	01/17/25 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/17/25 09:23*	*01/17/25 13:11*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/17/25 09:23*	*01/17/25 13:11*	*1*

Lab Sample ID: LCS 880-100498/1-A
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08975		mg/Kg		90	70 - 130
Toluene	0.100	0.08665		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08538		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1789		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09108		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-100498/2-A
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100498

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08299		mg/Kg		83	70 - 130	8	35
Toluene	0.100	0.08070		mg/Kg		81	70 - 130	7	35
Ethylbenzene	0.100	0.07780		mg/Kg		78	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1611		mg/Kg		81	70 - 130	10	35
o-Xylene	0.100	0.08226		mg/Kg		82	70 - 130	10	35

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

Lab Sample ID: 880-53343-A-1-A MS
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100498

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.07700		mg/Kg		77	70 - 130
Toluene	<0.00199	U	0.0996	0.07282		mg/Kg		73	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.07264		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1515		mg/Kg		76	70 - 130
o-Xylene	<0.00199	U	0.0996	0.07911		mg/Kg		79	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53343-A-1-A MS
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100498

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-53343-A-1-B MSD
Matrix: Solid
Analysis Batch: 100506

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100498

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08399		mg/Kg		83	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.07690		mg/Kg		76	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.101	0.07674		mg/Kg		76	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1590		mg/Kg		79	70 - 130	5	35
o-Xylene	<0.00199	U	0.101	0.08275		mg/Kg		82	70 - 130	4	35

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

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	775.7		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100310/3-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: 880-53219-A-1-C MSD
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A
Matrix: Solid
Analysis Batch: 100346

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			01/15/25 19:39	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100333/2-A
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.7		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-100333/3-A
Matrix: Solid
Analysis Batch: 100346

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	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110		

Lab Sample ID: 880-53222-A-1-E MSD
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	8021B	100301
880-53220-2	S-2 (0-1')	Total/NA	Solid	8021B	100301
MB 880-100289/5-A	Method Blank	Total/NA	Solid	8021B	100289
MB 880-100301/5-A	Method Blank	Total/NA	Solid	8021B	100301
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	8021B	100301
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100301
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	100301
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100301

Prep Batch: 100289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100289/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	5035	
880-53220-2	S-2 (0-1')	Total/NA	Solid	5035	
MB 880-100301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-53220-2	S-2 (0-1')	Total/NA	Solid	Total BTEX	

Prep Batch: 100498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	5035	
MB 880-100498/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100498/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100498/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53343-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53343-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	8021B	100498
880-53220-1	S-1 (0-1')	Total/NA	Solid	8021B	100498
MB 880-100498/5-A	Method Blank	Total/NA	Solid	8021B	100498
LCS 880-100498/1-A	Lab Control Sample	Total/NA	Solid	8021B	100498
LCSD 880-100498/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100498
880-53343-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	100498
880-53343-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100498

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-53220-2	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	8015B NM	100310
880-53220-2	S-2 (0-1')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

Analysis Batch: 100604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-53220-2	S-2 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-53220-2	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53220-1	S-1 (0-1')	Soluble	Solid	300.0	100333
880-53220-2	S-2 (0-1')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

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

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53220-1
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			5.05 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	100283	01/16/25 05:11	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	100498	01/17/25 09:23	EL	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	100506	01/17/25 14:30	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	100498	01/17/25 09:23	EL	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	100506	01/17/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100428	01/17/25 14:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			100604	01/17/25 10:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 10:57	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 20:53	CH	EET MID

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

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53220-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	100283	01/16/25 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100428	01/16/25 05:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			100604	01/17/25 11:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 11:13	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 20:59	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: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53220-1
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: Ling Federal #3 Battery

Job ID: 880-53220-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53220-1	S-1 (0-1')	Solid	01/14/25 00:00	01/15/25 09:25
880-53220-2	S-2 (0-1')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

880-53220 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.3	
Total Containers:		Corrected Temperature:	-2.4	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-1 (0-1')	1/14/2025		X		G	1	X	X	X	
S-2 (0-1')	1/14/2025		X		G	1	X	X	X	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1/15 925

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53220-1
SDG Number: Lea County, New Mexico

Login Number: 53220
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53221-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

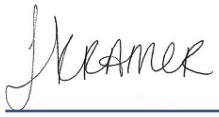
Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53221-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Ling Federal #3 Battery

Job ID: 880-53221-1

Job ID: 880-53221-1 Eurofins Midland

Job Narrative
880-53221-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (1.5') (880-53221-1) and S-2 (1.5') (880-53221-2).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (1.5') (880-53221-2). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53221-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.221		0.101		mg/Kg		01/15/25 09:58	01/16/25 05:52	50
Toluene	2.79		0.101		mg/Kg		01/15/25 09:58	01/16/25 05:52	50
Ethylbenzene	1.62		0.101		mg/Kg		01/15/25 09:58	01/16/25 05:52	50
m-Xylene & p-Xylene	2.35		0.202		mg/Kg		01/15/25 09:58	01/16/25 05:52	50
o-Xylene	1.04		0.101		mg/Kg		01/15/25 09:58	01/16/25 05:52	50
Xylenes, Total	3.39		0.202		mg/Kg		01/15/25 09:58	01/16/25 05:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*01/15/25 09:58*	*01/16/25 05:52*	*50*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/15/25 09:58*	*01/16/25 05:52*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	8.02		0.202		mg/Kg			01/16/25 05:52	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			01/17/25 11:29	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		01/15/25 10:28	01/17/25 11:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 11:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:29*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.9		9.96		mg/Kg			01/15/25 21:04	1

Client Sample ID: S-2 (1.5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53221-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.438		0.0992		mg/Kg		01/15/25 09:58	01/16/25 06:13	50
Toluene	12.7		0.0992		mg/Kg		01/15/25 09:58	01/16/25 06:13	50
Ethylbenzene	9.65		0.0992		mg/Kg		01/15/25 09:58	01/16/25 06:13	50
m-Xylene & p-Xylene	14.1		0.198		mg/Kg		01/15/25 09:58	01/16/25 06:13	50
o-Xylene	5.70		0.0992		mg/Kg		01/15/25 09:58	01/16/25 06:13	50
Xylenes, Total	19.8		0.198		mg/Kg		01/15/25 09:58	01/16/25 06:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*01/15/25 09:58*	*01/16/25 06:13*	*50*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/15/25 09:58*	*01/16/25 06:13*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53221-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	42.6		0.198		mg/Kg			01/16/25 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	766		49.7		mg/Kg			01/17/25 11:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	287		49.7		mg/Kg		01/15/25 10:28	01/17/25 11:45	1
Diesel Range Organics (Over C10-C28)	479		49.7		mg/Kg		01/15/25 10:28	01/17/25 11:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:45*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/15/25 10:28*	*01/17/25 11:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		9.98		mg/Kg			01/15/25 21:10	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53210-A-11-A MS	Matrix Spike	116	100
880-53210-A-11-B MSD	Matrix Spike Duplicate	121	100
880-53221-1	S-1 (1.5')	128	100
880-53221-2	S-2 (1.5')	169 S1+	100
LCS 880-100301/1-A	Lab Control Sample	118	100
LCSD 880-100301/2-A	Lab Control Sample Dup	121	101
MB 880-100289/5-A	Method Blank	117	98
MB 880-100301/5-A	Method Blank	120	98

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53219-A-1-B MS	Matrix Spike	83	84
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83
880-53221-1	S-1 (1.5')	82	76
880-53221-2	S-2 (1.5')	87	84
LCS 880-100310/2-A	Lab Control Sample	77	78
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88
MB 880-100310/1-A	Method Blank	112	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100289/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*

Lab Sample ID: MB 880-100301/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*

Lab Sample ID: LCS 880-100301/1-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100301/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-53210-A-11-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1080		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0992	0.1057		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2086		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1069		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-53210-A-11-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1078		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1092		mg/Kg		109	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	833.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53219-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-100333/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-53222-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	8021B	100301
880-53221-2	S-2 (1.5')	Total/NA	Solid	8021B	100301
MB 880-100289/5-A	Method Blank	Total/NA	Solid	8021B	100289
MB 880-100301/5-A	Method Blank	Total/NA	Solid	8021B	100301
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	8021B	100301
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100301
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	100301
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100301

Prep Batch: 100289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100289/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	5035	
880-53221-2	S-2 (1.5')	Total/NA	Solid	5035	
MB 880-100301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53221-2	S-2 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-53221-2	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	8015B NM	100310
880-53221-2	S-2 (1.5')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 100605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-53221-2	S-2 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Soluble	Solid	DI Leach	
880-53221-2	S-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53221-1	S-1 (1.5')	Soluble	Solid	300.0	100333
880-53221-2	S-2 (1.5')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53221-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	100283	01/16/25 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100429	01/16/25 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			100605	01/17/25 11:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 11:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:04	CH	EET MID

Client Sample ID: S-2 (1.5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53221-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	100283	01/16/25 06:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100429	01/16/25 06:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			100605	01/17/25 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 11:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:10	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53221-1
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: Ling Federal #3 Battery

Job ID: 880-53221-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53221-1	S-1 (1.5')	Solid	01/14/25 00:00	01/15/25 09:25
880-53221-2	S-2 (1.5')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

880-53221 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823 Email:		Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around		Pres. Code	
Project Number:	2622	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date:	Standard		
Sampler's Name:	CRM				
PO #:					

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:		IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		-2.3	
Total Containers:		Corrected Temperature:		-2.4	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-1 (1.5')	1/14/2025		X		G	1	X	X	X	
S-2 (1.5')	1/14/2025		X		G	1	X	X	X	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1115 925

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53221-1
SDG Number: Lea County, New Mexico

Login Number: 53221
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/20/2025 12:00:59 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53222-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

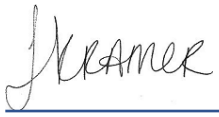
Eurofins Midland

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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1/20/2025 12:00:59 PM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53222-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Ling Federal #3 Battery

Job ID: 880-53222-1

Job ID: 880-53222-1 Eurofins Midland

Job Narrative
880-53222-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (2') (880-53222-1) and S-2 (2') (880-53222-2).

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-1 (2') (880-53222-1). Elevated reporting limits (RLs) are provided.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53222-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.100	U	0.100		mg/Kg		01/15/25 09:58	01/16/25 06:33	50
Toluene	**0.160**		0.100		mg/Kg		01/15/25 09:58	01/16/25 06:33	50
Ethylbenzene	**0.135**		0.100		mg/Kg		01/15/25 09:58	01/16/25 06:33	50
m-Xylene & p-Xylene	**0.216**		0.200		mg/Kg		01/15/25 09:58	01/16/25 06:33	50
o-Xylene	**2.78**		0.100		mg/Kg		01/15/25 09:58	01/16/25 06:33	50
Xylenes, Total	**3.00**		0.200		mg/Kg		01/15/25 09:58	01/16/25 06:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/15/25 09:58*	*01/16/25 06:33*	*50*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/15/25 09:58*	*01/16/25 06:33*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.29**		0.200		mg/Kg			01/16/25 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 12:16	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		01/15/25 10:28	01/17/25 12:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 12:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:16*	*1*
o-Terphenyl	*82*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.1**		10.0		mg/Kg			01/15/25 21:16	1

Client Sample ID: S-2 (2')
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53222-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00530**		0.00199		mg/Kg		01/15/25 09:58	01/16/25 04:10	1
Toluene	**0.0113**		0.00199		mg/Kg		01/15/25 09:58	01/16/25 04:10	1
Ethylbenzene	**0.00397**		0.00199		mg/Kg		01/15/25 09:58	01/16/25 04:10	1
m-Xylene & p-Xylene	**0.00530**		0.00398		mg/Kg		01/15/25 09:58	01/16/25 04:10	1
o-Xylene	**0.00345**		0.00199		mg/Kg		01/15/25 09:58	01/16/25 04:10	1
Xylenes, Total	**0.00875**		0.00398		mg/Kg		01/15/25 09:58	01/16/25 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/15/25 09:58*	*01/16/25 04:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/15/25 09:58*	*01/16/25 04:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53222-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0293**		0.00398		mg/Kg			01/16/25 04:10	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			01/17/25 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 12:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 12:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:00*	*1*
o-Terphenyl	*80*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		10.0		mg/Kg			01/15/25 21:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
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)
880-53210-A-11-A MS	Matrix Spike	116	100
880-53210-A-11-B MSD	Matrix Spike Duplicate	121	100
880-53222-1	S-1 (2')	114	93
880-53222-2	S-2 (2')	123	102
LCS 880-100301/1-A	Lab Control Sample	118	100
LCSD 880-100301/2-A	Lab Control Sample Dup	121	101
MB 880-100289/5-A	Method Blank	117	98
MB 880-100301/5-A	Method Blank	120	98

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)
880-53219-A-1-B MS	Matrix Spike	83	84
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83
880-53222-1	S-1 (2')	88	82
880-53222-2	S-2 (2')	85	80
LCS 880-100310/2-A	Lab Control Sample	77	78
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88
MB 880-100310/1-A	Method Blank	112	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100289/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*

Lab Sample ID: MB 880-100301/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*

Lab Sample ID: LCS 880-100301/1-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100301/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-53210-A-11-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1080		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0992	0.1057		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2086		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1069		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-53210-A-11-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100283 — **Prep Batch: 100301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1078		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1092		mg/Kg		109	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	775.7		mg/Kg		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53219-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-100333/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-1 MS — **Client Sample ID: S-1 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-53222-1 MSD — **Client Sample ID: S-1 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	8021B	100301
880-53222-2	S-2 (2')	Total/NA	Solid	8021B	100301
MB 880-100289/5-A	Method Blank	Total/NA	Solid	8021B	100289
MB 880-100301/5-A	Method Blank	Total/NA	Solid	8021B	100301
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	8021B	100301
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100301
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	100301
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100301

Prep Batch: 100289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100289/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	5035	
880-53222-2	S-2 (2')	Total/NA	Solid	5035	
MB 880-100301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	Total BTEX	
880-53222-2	S-2 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-53222-2	S-2 (2')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	8015B NM	100310
880-53222-2	S-2 (2')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 100606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Total/NA	Solid	8015 NM	
880-53222-2	S-2 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Soluble	Solid	DI Leach	
880-53222-2	S-2 (2')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-1 MS	S-1 (2')	Soluble	Solid	DI Leach	
880-53222-1 MSD	S-1 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53222-1	S-1 (2')	Soluble	Solid	300.0	100333
880-53222-2	S-2 (2')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-1 MS	S-1 (2')	Soluble	Solid	300.0	100333
880-53222-1 MSD	S-1 (2')	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53222-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	100283	01/16/25 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100426	01/16/25 06:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			100606	01/17/25 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 12:16	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:16	CH	EET MID

Client Sample ID: S-2 (2')
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53222-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100283	01/16/25 04:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100426	01/16/25 04:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			100606	01/17/25 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 12:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:33	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: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53222-1
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: Ling Federal #3 Battery

Job ID: 880-53222-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53222-1	S-1 (2')	Solid	01/14/25 00:00	01/15/25 09:25
880-53222-2	S-2 (2')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

880-53222 Chain of Custody

Page ___1___ of ___1___

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823 Email:		Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:		IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.3
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		-0.3
Total Containers:		Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-1 (2')	1/14/2025		X		G	1	X	X	X	
S-2 (2')	1/14/2025		X		G	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2SO_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4/15 9:25

1/20/2025

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53222-1
SDG Number: Lea County, New Mexico

Login Number: 53222
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/17/2025 5:40:45 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53227-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

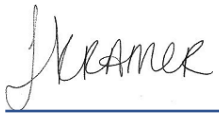
Eurofins Midland

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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1/17/2025 5:40:45 PM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53227-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Ling Federal #3 Battery

Job ID: 880-53227-1

Job ID: 880-53227-1 Eurofins Midland

Job Narrative
880-53227-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (3') (880-53227-1) and S-2 (3') (880-53227-2).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (3') (880-53227-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (3')

Lab Sample ID: 880-53227-1
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00504**		0.00199		mg/Kg		01/15/25 10:59	01/16/25 01:14	1
Toluene	**0.0164**		0.00199		mg/Kg		01/15/25 10:59	01/16/25 01:14	1
Ethylbenzene	**0.00320**		0.00199		mg/Kg		01/15/25 10:59	01/16/25 01:14	1
m-Xylene & p-Xylene	**0.00629**		0.00398		mg/Kg		01/15/25 10:59	01/16/25 01:14	1
o-Xylene	**0.00267**		0.00199		mg/Kg		01/15/25 10:59	01/16/25 01:14	1
Xylenes, Total	**0.00896**		0.00398		mg/Kg		01/15/25 10:59	01/16/25 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/15/25 10:59*	*01/16/25 01:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/15/25 10:59*	*01/16/25 01:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0336**		0.00398		mg/Kg			01/16/25 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/17/25 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 14:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:21*	*1*
o-Terphenyl	*85*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		9.94		mg/Kg			01/15/25 22:24	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-53227-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0201**		0.00200		mg/Kg		01/15/25 10:59	01/16/25 01:34	1
Toluene	**0.240**		0.00200		mg/Kg		01/15/25 10:59	01/16/25 01:34	1
Ethylbenzene	**0.175**		0.00200		mg/Kg		01/15/25 10:59	01/16/25 01:34	1
m-Xylene & p-Xylene	**0.246**		0.00399		mg/Kg		01/15/25 10:59	01/16/25 01:34	1
o-Xylene	**0.125**		0.00200		mg/Kg		01/15/25 10:59	01/16/25 01:34	1
Xylenes, Total	**0.371**		0.00399		mg/Kg		01/15/25 10:59	01/16/25 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*01/15/25 10:59*	*01/16/25 01:34*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/15/25 10:59*	*01/16/25 01:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (3')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53227-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.806**		0.00399		mg/Kg			01/16/25 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:36*	*1*
o-Terphenyl	*77*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.9**		10.0		mg/Kg			01/15/25 22:29	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-53224-A-1-B MS	Matrix Spike	106	95
880-53224-A-1-C MSD	Matrix Spike Duplicate	108	99
880-53227-1	S-1 (3')	103	94
880-53227-2	S-2 (3')	149 S1+	95
LCS 880-100311/1-A	Lab Control Sample	103	96
LCSD 880-100311/2-A	Lab Control Sample Dup	119	94
MB 880-100290/5-A	Method Blank	95	91
MB 880-100311/5-A	Method Blank	99	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-53219-A-1-B MS	Matrix Spike	83	84
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83
880-53227-1	S-1 (3')	92	85
880-53227-2	S-2 (3')	84	77
LCS 880-100310/2-A	Lab Control Sample	77	78
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88
MB 880-100310/1-A	Method Blank	112	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100290/5-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:30	01/15/25 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/15/25 08:30*	*01/15/25 11:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/15/25 08:30*	*01/15/25 11:29*	*1*

Lab Sample ID: MB 880-100311/5-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 10:50	01/15/25 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:30*	*1*

Lab Sample ID: LCS 880-100311/1-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1165		mg/Kg		117	70 - 130
Toluene	0.100	0.1250		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1242		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.2412		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1301		mg/Kg		130	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-100311/2-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100311

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100311/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1178		mg/Kg		118	70 - 130	6	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2197		mg/Kg		110	70 - 130	9	35
o-Xylene			0.100	0.1204		mg/Kg		120	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-53224-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00233		0.0992	0.09993		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0992	0.07496		mg/Kg		76	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.08219		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1478		mg/Kg		74	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1008		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-53224-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00233		0.100	0.1067		mg/Kg		104	70 - 130	7	35
Toluene	<0.00199	U	0.100	0.08370		mg/Kg		83	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.100	0.08522		mg/Kg		85	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1540		mg/Kg		77	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.1012		mg/Kg		101	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	833.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53219-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.7		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-100333/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110		

Lab Sample ID: 880-53222-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	8021B	100311
880-53227-2	S-2 (3')	Total/NA	Solid	8021B	100311
MB 880-100290/5-A	Method Blank	Total/NA	Solid	8021B	100290
MB 880-100311/5-A	Method Blank	Total/NA	Solid	8021B	100311
LCS 880-100311/1-A	Lab Control Sample	Total/NA	Solid	8021B	100311
LCSD 880-100311/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100311
880-53224-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	100311
880-53224-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100311

Prep Batch: 100290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100290/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	5035	
880-53227-2	S-2 (3')	Total/NA	Solid	5035	
MB 880-100311/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100311/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100311/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53224-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-53224-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	Total BTEX	
880-53227-2	S-2 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-53227-2	S-2 (3')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	8015B NM	100310
880-53227-2	S-2 (3')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 100609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Total/NA	Solid	8015 NM	
880-53227-2	S-2 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Soluble	Solid	DI Leach	
880-53227-2	S-2 (3')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53227-1	S-1 (3')	Soluble	Solid	300.0	100333
880-53227-2	S-2 (3')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (3')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53227-1

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			5.03 g	5 mL	100311	01/15/25 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/16/25 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100416	01/16/25 01:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			100609	01/17/25 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 14:21	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:24	CH	EET MID

Client Sample ID: S-2 (3')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53227-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100311	01/15/25 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/16/25 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100416	01/16/25 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			100609	01/17/25 14:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 14:36	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:29	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53227-1
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: Ling Federal #3 Battery

Job ID: 880-53227-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53227-1	S-1 (3')	Solid	01/14/25 00:00	01/15/25 09:25
880-53227-2	S-2 (3')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR6
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.4
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-1 (3')	1/14/2025		X		G	1	X	X	X	
S-2 (3')	1/14/2025		X		G	1	X	X	X	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1/15 925

1/17/2025

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53227-1
SDG Number: Lea County, New Mexico

Login Number: 53227
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/17/2025 5:40:00 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53223-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

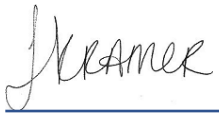
Eurofins Midland

Job Notes

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

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

Authorization



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Authorized for release by
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Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53223-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Ling Federal #3 Battery

Job ID: 880-53223-1

Job ID: 880-53223-1 Eurofins Midland

Job Narrative
880-53223-1

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 1/15/2025 8:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (4') (880-53223-1) and S-2 (4') (880-53223-2).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (4') (880-53223-1). Evidence of matrix interferences is not obvious.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-1 (4') (880-53223-1). Elevated reporting limits (RLs) are provided.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-53223-1
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 08:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0504	U	0.0504		mg/Kg		01/15/25 09:58	01/16/25 04:51	25
Toluene	<0.0504	U	0.0504		mg/Kg		01/15/25 09:58	01/16/25 04:51	25
Ethylbenzene	<0.0504	U	0.0504		mg/Kg		01/15/25 09:58	01/16/25 04:51	25
m-Xylene & p-Xylene	<0.101	U	0.101		mg/Kg		01/15/25 09:58	01/16/25 04:51	25
o-Xylene	<0.0504	U	0.0504		mg/Kg		01/15/25 09:58	01/16/25 04:51	25
Xylenes, Total	<0.101	U	0.101		mg/Kg		01/15/25 09:58	01/16/25 04:51	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*01/15/25 09:58*	*01/16/25 04:51*	*25*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/15/25 09:58*	*01/16/25 04:51*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.101	U	0.101		mg/Kg			01/16/25 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/17/25 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/15/25 10:28	01/17/25 12:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/15/25 10:28	01/17/25 12:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/15/25 10:28	01/17/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:32*	*1*
o-Terphenyl	*85*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.6**		9.96		mg/Kg			01/15/25 21:38	1

Client Sample ID: S-2 (4')

Lab Sample ID: 880-53223-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 08:25

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		01/15/25 09:58	01/16/25 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/16/25 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/16/25 04:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/25 09:58	01/16/25 04:30	1
o-Xylene	**0.00666**		0.00200		mg/Kg		01/15/25 09:58	01/16/25 04:30	1
Xylenes, Total	**0.00666**		0.00399		mg/Kg		01/15/25 09:58	01/16/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*01/15/25 09:58*	*01/16/25 04:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/15/25 09:58*	*01/16/25 04:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 08:25

Lab Sample ID: 880-53223-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00666**		0.00399		mg/Kg			01/16/25 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/17/25 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		01/15/25 10:28	01/17/25 12:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 12:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:47*	*1*
o-Terphenyl	*70*		*70 - 130*	*01/15/25 10:28*	*01/17/25 12:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		10.1		mg/Kg			01/15/25 21:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-53210-A-11-A MS	Matrix Spike	116	100										
880-53210-A-11-B MSD	Matrix Spike Duplicate	121	100										
880-53223-1	S-1 (4')	138 S1+	104										
880-53223-2	S-2 (4')	124	103										
LCS 880-100301/1-A	Lab Control Sample	118	100										
LCSD 880-100301/2-A	Lab Control Sample Dup	121	101										
MB 880-100289/5-A	Method Blank	117	98										
MB 880-100301/5-A	Method Blank	120	98										

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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-53219-A-1-B MS	Matrix Spike	83	84										
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83										
880-53223-1	S-1 (4')	90	85										
880-53223-2	S-2 (4')	76	70										
LCS 880-100310/2-A	Lab Control Sample	77	78										
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88										
MB 880-100310/1-A	Method Blank	112	109										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100289/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*

Lab Sample ID: MB 880-100301/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*

Lab Sample ID: LCS 880-100301/1-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-53210-A-11-A MS
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1080		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0992	0.1057		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2086		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1069		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-53210-A-11-B MSD
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1078		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1092		mg/Kg		109	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	833.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53219-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-100333/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-53222-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	8021B	100301
880-53223-2	S-2 (4')	Total/NA	Solid	8021B	100301
MB 880-100289/5-A	Method Blank	Total/NA	Solid	8021B	100289
MB 880-100301/5-A	Method Blank	Total/NA	Solid	8021B	100301
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	8021B	100301
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100301
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	100301
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100301

Prep Batch: 100289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100289/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	5035	
880-53223-2	S-2 (4')	Total/NA	Solid	5035	
MB 880-100301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	Total BTEX	
880-53223-2	S-2 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-53223-2	S-2 (4')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	8015B NM	100310
880-53223-2	S-2 (4')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 100607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Total/NA	Solid	8015 NM	
880-53223-2	S-2 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Soluble	Solid	DI Leach	
880-53223-2	S-2 (4')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53223-1	S-1 (4')	Soluble	Solid	300.0	100333
880-53223-2	S-2 (4')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (4')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 08:25

Lab Sample ID: 880-53223-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	100283	01/16/25 04:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100427	01/16/25 04:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			100607	01/17/25 12:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 12:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:38	CH	EET MID

Client Sample ID: S-2 (4')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 08:25

Lab Sample ID: 880-53223-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100283	01/16/25 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100427	01/16/25 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			100607	01/17/25 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 12:47	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 21:55	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: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53223-1
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: Ling Federal #3 Battery

Job ID: 880-53223-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53223-1	S-1 (4')	Solid	01/14/25 00:00	01/15/25 08:25
880-53223-2	S-2 (4')	Solid	01/14/25 00:00	01/15/25 08:25

Chain of Custody

880-53223 Chain of Custody

Page ___ of ___

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR4
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.3
Total Containers:		Corrected Temperature:	-2.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (4')	1/14/2025		X		G	1		X	X	X		
S-2 (4')	1/14/2025		X		G	1		X	X	X		

Parameters

ANALYSIS REQUEST

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1/15 925

1/17/2025

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53223-1
SDG Number: Lea County, New Mexico

Login Number: 53223
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/17/2025 5:43:40 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea COunty, New Mexico

JOB NUMBER

880-53219-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

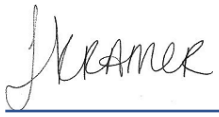
Eurofins Midland

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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1/17/2025 5:43:40 PM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Ling Federal #3 Battery

Job ID: 880-53219-1

Job ID: 880-53219-1 Eurofins Midland

Job Narrative
880-53219-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (5') (880-53219-1) and S-2 (5') (880-53219-2).

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Client Sample ID: S-1 (5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53219-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00557**		0.00200		mg/Kg		01/15/25 09:58	01/16/25 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/16/25 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/16/25 03:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/25 09:58	01/16/25 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/16/25 03:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/25 09:58	01/16/25 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*01/15/25 09:58*	*01/16/25 03:49*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/15/25 09:58*	*01/16/25 03:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00557**		0.00399		mg/Kg			01/16/25 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/17/25 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		01/15/25 10:28	01/17/25 10:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		01/15/25 10:28	01/17/25 10:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/15/25 10:28	01/17/25 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/15/25 10:28*	*01/17/25 10:10*	*1*
o-Terphenyl	*80*		*70 - 130*	*01/15/25 10:28*	*01/17/25 10:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.8**		10.1		mg/Kg			01/15/25 20:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
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)										
880-53210-A-11-A MS	Matrix Spike	116	100										
880-53210-A-11-B MSD	Matrix Spike Duplicate	121	100										
880-53219-1	S-1 (5')	124	104										
LCS 880-100301/1-A	Lab Control Sample	118	100										
LCSD 880-100301/2-A	Lab Control Sample Dup	121	101										
MB 880-100289/5-A	Method Blank	117	98										
MB 880-100301/5-A	Method Blank	120	98										

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)										
880-53219-1	S-1 (5')	87	80										
880-53219-1 MS	S-1 (5')	83	84										
880-53219-1 MSD	S-1 (5')	84	83										
LCS 880-100310/2-A	Lab Control Sample	77	78										
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88										
MB 880-100310/1-A	Method Blank	112	109										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100289/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:27	01/15/25 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:27	01/15/25 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 08:27*	*01/15/25 11:27*	*1*

Lab Sample ID: MB 880-100301/5-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 09:58	01/15/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 09:58	01/15/25 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 09:58*	*01/15/25 22:24*	*1*

Lab Sample ID: LCS 880-100301/1-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

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

Lab Sample ID: LCSD 880-100301/2-A
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2262		mg/Kg		113	70 - 130	1	35
o-Xylene			0.100	0.1163		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-53210-A-11-A MS
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1080		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0992	0.1057		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1033		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2086		mg/Kg		105	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1069		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-53210-A-11-B MSD
Matrix: Solid
Analysis Batch: 100283

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 100301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1078		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1092		mg/Kg		109	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	833.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-1 MS
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: S-1 (5')
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

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

Lab Sample ID: 880-53219-1 MSD
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: S-1 (5')
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A
Matrix: Solid
Analysis Batch: 100346

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			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-100333/3-A
Matrix: Solid
Analysis Batch: 100346

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	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-53222-A-1-E MSD
Matrix: Solid
Analysis Batch: 100346

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

GC VOA

Analysis Batch: 100283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	8021B	100301
MB 880-100289/5-A	Method Blank	Total/NA	Solid	8021B	100289
MB 880-100301/5-A	Method Blank	Total/NA	Solid	8021B	100301
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	8021B	100301
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100301
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	100301
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	100301

Prep Batch: 100289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100289/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	5035	
MB 880-100301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53210-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-53210-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 100425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-1 MS	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-53219-1 MSD	S-1 (5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-1 MS	S-1 (5')	Total/NA	Solid	8015B NM	100310
880-53219-1 MSD	S-1 (5')	Total/NA	Solid	8015B NM	100310

Analysis Batch: 100603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53219-1	S-1 (5')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Client Sample ID: S-1 (5')

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53219-1

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	100301	01/15/25 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100283	01/16/25 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100425	01/16/25 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			100603	01/17/25 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 10:10	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 20:47	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: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53219-1
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: Ling Federal #3 Battery

Job ID: 880-53219-1
SDG: Lea COunty, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53219-1	S-1 (5')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.3	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.3	
Total Containers:		Corrected Temperature:	-2.0	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (5')	1/14/2025		X		G	1		X	X	X		
S-2 (5')	1/14/2025		X		G	1					X	

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1/15 9:25

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53219-1
SDG Number: Lea COunty, New Mexico

Login Number: 53219
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/17/2025 5:40:13 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-53224-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

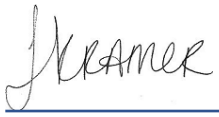
Eurofins Midland

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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1/17/2025 5:40:13 PM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-53224-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Ling Federal #3 Battery

Job ID: 880-53224-1

Job ID: 880-53224-1 Eurofins Midland

Job Narrative
880-53224-1

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 1/15/2025 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100310 and analytical batch 880-100509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53224-1
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00233**		0.00199		mg/Kg		01/15/25 10:50	01/15/25 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/25 10:50	01/15/25 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/25 10:50	01/15/25 23:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/25 10:50	01/15/25 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/25 10:50	01/15/25 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/25 10:50	01/15/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:52*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:52*	*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			01/15/25 23:52	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			01/17/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:18*	*1*
o-Terphenyl	*71*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.3**		10.1		mg/Kg			01/15/25 22:01	1

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

Lab Sample ID: 880-53224-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00248**		0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/15/25 10:50	01/16/25 00:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/15/25 10:50	01/16/25 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:12*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53224-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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			01/16/25 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:34*	*1*
o-Terphenyl	*75*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.7**		10.0		mg/Kg			01/15/25 22:07	1

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

Lab Sample ID: 880-53224-3
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00300**		0.00200		mg/Kg		01/15/25 10:50	01/16/25 00:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/16/25 00:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/16/25 00:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/25 10:50	01/16/25 00:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/16/25 00:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/25 10:50	01/16/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/25 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/17/25 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 13:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 13:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53224-3
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/25 10:28	01/17/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:50*	*1*
o-Terphenyl	*75*		*70 - 130*	*01/15/25 10:28*	*01/17/25 13:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.3**		10.0		mg/Kg			01/15/25 22:12	1

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

Lab Sample ID: 880-53224-4
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00215**		0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/15/25 10:50	01/16/25 00:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/25 10:50	01/16/25 00:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/15/25 10:50	01/16/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*01/15/25 10:50*	*01/16/25 00:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/16/25 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 14:05	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	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/25 10:28	01/17/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:05*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/15/25 10:28*	*01/17/25 14:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.2**		10.0		mg/Kg			01/15/25 22:18	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53224-1	H-1 (0-0.5')	99	94
880-53224-1 MS	H-1 (0-0.5')	106	95
880-53224-1 MSD	H-1 (0-0.5')	108	99
880-53224-2	H-2 (0-0.5')	112	94
880-53224-3	H-3 (0-0.5')	107	98
880-53224-4	H-4 (0-0.5')	96	95
LCS 880-100311/1-A	Lab Control Sample	103	96
LCSD 880-100311/2-A	Lab Control Sample Dup	119	94
MB 880-100290/5-A	Method Blank	95	91
MB 880-100311/5-A	Method Blank	99	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53219-A-1-B MS	Matrix Spike	83	84
880-53219-A-1-C MSD	Matrix Spike Duplicate	84	83
880-53224-1	H-1 (0-0.5')	74	71
880-53224-2	H-2 (0-0.5')	80	75
880-53224-3	H-3 (0-0.5')	79	75
880-53224-4	H-4 (0-0.5')	77	73
LCS 880-100310/2-A	Lab Control Sample	77	78
LCSD 880-100310/3-A	Lab Control Sample Dup	105	88
MB 880-100310/1-A	Method Blank	112	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100290/5-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 08:30	01/15/25 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 08:30	01/15/25 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/15/25 08:30*	*01/15/25 11:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/15/25 08:30*	*01/15/25 11:29*	*1*

Lab Sample ID: MB 880-100311/5-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/25 10:50	01/15/25 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/25 10:50	01/15/25 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/15/25 10:50*	*01/15/25 23:30*	*1*

Lab Sample ID: LCS 880-100311/1-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1165		mg/Kg		117	70 - 130
Toluene	0.100	0.1250		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1242		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.2412		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1301		mg/Kg		130	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-100311/2-A
Matrix: Solid
Analysis Batch: 100282

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100311

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-100311/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1178		mg/Kg		118	70 - 130	6	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2197		mg/Kg		110	70 - 130	9	35
o-Xylene			0.100	0.1204		mg/Kg		120	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-53224-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00233		0.0992	0.09993		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0992	0.07496		mg/Kg		76	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.08219		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1478		mg/Kg		74	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1008		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-53224-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100282 — **Prep Batch: 100311**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00233		0.100	0.1067		mg/Kg		104	70 - 130	7	35
Toluene	<0.00199	U	0.100	0.08370		mg/Kg		83	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.100	0.08522		mg/Kg		85	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1540		mg/Kg		77	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.1012		mg/Kg		101	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-100310/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-100310/1-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/25 10:28	01/17/25 04:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/15/25 10:28*	*01/17/25 04:57*	*1*

Lab Sample ID: LCS 880-100310/2-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	833.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-100310/3-A
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100310

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	791.7		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-53219-A-1-B MS
Matrix: Solid
Analysis Batch: 100509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 100310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	665.6	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	687.4	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53219-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 100509 — **Prep Batch: 100310**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	995	660.7	F1	mg/Kg		66	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	995	671.3	F1	mg/Kg		67	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100333/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/25 19:39	1

Lab Sample ID: LCS 880-100333/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-100333/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53222-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.1		250	326.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-53222-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 100346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.1		250	325.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 100282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	8021B	100311
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	8021B	100311
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	8021B	100311
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	8021B	100311
MB 880-100290/5-A	Method Blank	Total/NA	Solid	8021B	100290
MB 880-100311/5-A	Method Blank	Total/NA	Solid	8021B	100311
LCS 880-100311/1-A	Lab Control Sample	Total/NA	Solid	8021B	100311
LCSD 880-100311/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100311
880-53224-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	100311
880-53224-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	100311

Prep Batch: 100290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-100290/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 100311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-100311/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100311/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100311/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53224-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-53224-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 100415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	100310

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 100509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	100310
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	100310
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	100310
MB 880-100310/1-A	Method Blank	Total/NA	Solid	8015B NM	100310
LCS 880-100310/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100310
LCSD 880-100310/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100310
880-53219-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	100310
880-53219-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	100310

Analysis Batch: 100608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-53224-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-53224-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-53224-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-53224-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-53224-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-53224-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-100333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 100346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53224-1	H-1 (0-0.5')	Soluble	Solid	300.0	100333
880-53224-2	H-2 (0-0.5')	Soluble	Solid	300.0	100333
880-53224-3	H-3 (0-0.5')	Soluble	Solid	300.0	100333
880-53224-4	H-4 (0-0.5')	Soluble	Solid	300.0	100333
MB 880-100333/1-A	Method Blank	Soluble	Solid	300.0	100333
LCS 880-100333/2-A	Lab Control Sample	Soluble	Solid	300.0	100333
LCSD 880-100333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100333
880-53222-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	100333
880-53222-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	100333

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-53224-1
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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	100311	01/15/25 10:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/15/25 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100415	01/15/25 23:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			100608	01/17/25 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 13:18	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:01	CH	EET MID

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

Lab Sample ID: 880-53224-2
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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	100311	01/15/25 10:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/16/25 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100415	01/16/25 00:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			100608	01/17/25 13:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 13:34	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:07	CH	EET MID

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

Lab Sample ID: 880-53224-3
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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	100311	01/15/25 10:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/16/25 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100415	01/16/25 00:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			100608	01/17/25 13:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 13:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:12	CH	EET MID

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

Lab Sample ID: 880-53224-4
Matrix: Solid
Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

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	100311	01/15/25 10:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100282	01/16/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100415	01/16/25 00:54	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

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

Date Collected: 01/14/25 00:00
Date Received: 01/15/25 09:25

Lab Sample ID: 880-53224-4

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			100608	01/17/25 14:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100310	01/15/25 10:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100509	01/17/25 14:05	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100333	01/15/25 12:02	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100346	01/15/25 22:18	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-53224-1
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: Ling Federal #3 Battery

Job ID: 880-53224-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53224-1	H-1 (0-0.5')	Solid	01/14/25 00:00	01/15/25 09:25
880-53224-2	H-2 (0-0.5')	Solid	01/14/25 00:00	01/15/25 09:25
880-53224-3	H-3 (0-0.5')	Solid	01/14/25 00:00	01/15/25 09:25
880-53224-4	H-4 (0-0.5')	Solid	01/14/25 00:00	01/15/25 09:25

Chain of Custody

880-53224 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	IR5	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.3	
Total Containers:		Corrected Temperature:	-2.9	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
H-1 (0-0.5')	1/14/2025		X		G	1	X	X	X	
H-2 (0-0.5')	1/14/2025		X		G	1	X	X	X	
H-3 (0-0.5')	1/14/2025		X		G	1	X	X	X	
H-4 (0-0.5')	1/14/2025		X		G	1	X	X	X	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			1/15 925

1/17/2025

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53224-1
SDG Number: Lea County, New Mexico

Login Number: 53224
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/24/2025 4:44:17 PM

JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-54752-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

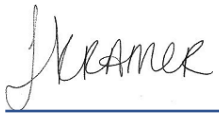
Eurofins Midland

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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2/24/2025 4:44:17 PM

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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-54752-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Ling Federal #3 Battery

Job ID: 880-54752-1

Job ID: 880-54752-1 Eurofins Midland

Job Narrative
880-54752-1

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

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

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

Receipt
The samples were received on 2/21/2025 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 -2.7°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-54752-1), CS-2 (1.5') (880-54752-2), CS-3 (1.5') (880-54752-3), CS-4 (2') (880-54752-4), CS-5 (2') (880-54752-5), CS-6 (2') (880-54752-6), CS-7 (2') (880-54752-7), SW-1 (1.5') (880-54752-8), SW-2 (1.5') (880-54752-9), SW-3 (1.5') (880-54752-10), SW-4 (2') (880-54752-11), SW-5 (2') (880-54752-12), SW-6 (2') (880-54752-13), SW-7 (2') (880-54752-14), SW-8 (2') (880-54752-15), SW-9 (2') (880-54752-16) and SW-10 (2') (880-54752-17).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-103349/2), (CCV 880-103349/20) and (CCV 880-103349/33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-103350 recovered under the lower control limit for m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103330 and analytical batch 880-103368 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-5 (2') (880-54752-5), SW-1 (1.5') (880-54752-8), SW-4 (2') (880-54752-11) and SW-6 (2') (880-54752-13). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-103395/2-A) and (LCSD 880-103395/3-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-54752-1
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/25 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/25 21:24	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	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 21:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 21:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:24*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:24*	*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			02/21/25 19:10	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54752-2
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 14:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/25 11:05	02/21/25 14:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/25 11:05	02/21/25 14:27	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/21/25 11:05	02/21/25 14:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/25 11:05	02/21/25 14:27	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/21/25 11:05	02/21/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:27*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54752-2
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/21/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/25 21:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:54*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/21/25 19:16	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54752-3
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 14:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:48*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/21/25 11:05*	*02/21/25 14:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/25 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54752-3
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/20/25 21:52	02/21/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:10*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/21/25 19:22	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-54752-4
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 15:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 15:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 15:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/21/25 11:05*	*02/21/25 15:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/21/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/25 22:24	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	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 22:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 22:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/20/25 21:52	02/21/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:24*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/21/25 19:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-54752-5
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 16:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 16:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 16:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 16:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 16:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 16:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/25 11:05*	*02/21/25 16:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/21/25 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/25 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:39*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*02/20/25 21:52*	*02/21/25 22:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/21/25 19:47	1

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-54752-6
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 17:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 17:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:02*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-54752-6
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			02/21/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/25 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:54*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/20/25 21:52*	*02/21/25 22:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/21/25 19:53	1

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-54752-7
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/25 23:08	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	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-54752-7
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:08*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/21/25 19:59	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-54752-8
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 17:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/21/25 11:05*	*02/21/25 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/21/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/25 23:24	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		02/20/25 21:52	02/21/25 23:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:24*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*02/20/25 21:52*	*02/21/25 23:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 20:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-54752-9
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:04*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/21/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/25 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/21/25 23:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/21/25 23:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/21/25 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:38*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/21/25 20:11	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-54752-10
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 18:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/25 11:05	02/21/25 18:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/25 11:05	02/21/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:25*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-54752-10
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			02/21/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/25 21:52	02/21/25 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:53*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/20/25 21:52*	*02/21/25 23:53*	*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			02/21/25 20:17	1

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54752-11
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 18:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 18:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 18:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/25 11:05	02/21/25 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:45*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/25 11:05*	*02/21/25 18:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/25 00:08	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	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/22/25 00:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/22/25 00:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54752-11
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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)	<49.9	U	49.9		mg/Kg		02/20/25 21:52	02/22/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/20/25 21:52*	*02/22/25 00:08*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*02/20/25 21:52*	*02/22/25 00:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 20:35	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-54752-12
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 19:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/25 11:05	02/21/25 19:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/25 11:05	02/21/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:06*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/21/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/25 06:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 06:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 06:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:04*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/21/25 21:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-54752-13
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 19:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:05	02/21/25 19:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/21/25 11:05	02/21/25 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:26*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/21/25 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/25 06:19	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		02/21/25 13:16	02/22/25 06:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/25 13:16	02/22/25 06:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/25 13:16	02/22/25 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:19*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*02/21/25 13:16*	*02/22/25 06:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			02/21/25 20:42	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-54752-14
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:05	02/21/25 19:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/25 11:05	02/21/25 19:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:05	02/21/25 19:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/25 11:05	02/21/25 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:47*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/25 11:05*	*02/21/25 19:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-54752-14
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			02/21/25 19:47	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			02/22/25 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/21/25 13:16	02/22/25 06:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/21/25 13:16	02/22/25 06:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/21/25 13:16	02/22/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:33*	*1*
o-Terphenyl	*83*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/21/25 21:00	1

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-54752-15
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:07	02/21/25 16:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:07	02/21/25 16:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:07	02/21/25 16:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/25 11:07	02/21/25 16:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 11:07	02/21/25 16:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/25 11:07	02/21/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/21/25 11:07*	*02/21/25 16:33*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/21/25 11:07*	*02/21/25 16:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/25 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/22/25 06:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/21/25 13:16	02/22/25 06:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/21/25 13:16	02/22/25 06:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-54752-15
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 13:16	02/22/25 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:47*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/21/25 13:16*	*02/22/25 06:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/21/25 21:06	1

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-54752-16
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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		02/21/25 11:07	02/21/25 16:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 16:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 16:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/25 11:07	02/21/25 16:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 16:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/25 11:07	02/21/25 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/21/25 11:07*	*02/21/25 16:54*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/21/25 11:07*	*02/21/25 16:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/21/25 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/25 07:03	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	<50.0	U	50.0		mg/Kg		02/21/25 13:16	02/22/25 07:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/25 13:16	02/22/25 07:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/25 13:16	02/22/25 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/21/25 13:16*	*02/22/25 07:03*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/21/25 13:16*	*02/22/25 07:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/21/25 21:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (2')

Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-17

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 17:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 17:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 17:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/25 11:07	02/21/25 17:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/25 11:07	02/21/25 17:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/25 11:07	02/21/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/21/25 11:07*	*02/21/25 17:14*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/21/25 11:07*	*02/21/25 17:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/21/25 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/25 07:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 07:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 07:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/25 13:16	02/22/25 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/21/25 13:16*	*02/22/25 07:17*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/21/25 13:16*	*02/22/25 07:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 21:18	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
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)										
880-54744-A-7-C MS	Matrix Spike	115	94										
880-54744-A-7-D MSD	Matrix Spike Duplicate	117	92										
880-54744-A-19-C MS	Matrix Spike	99	100										
880-54744-A-19-D MSD	Matrix Spike Duplicate	107	95										
880-54752-1	CS-1 (1.5')	97	92										
880-54752-2	CS-2 (1.5')	103	95										
880-54752-3	CS-3 (1.5')	98	93										
880-54752-4	CS-4 (2')	100	96										
880-54752-5	CS-5 (2')	100	95										
880-54752-6	CS-6 (2')	98	99										
880-54752-7	CS-7 (2')	100	100										
880-54752-8	SW-1 (1.5')	98	102										
880-54752-9	SW-2 (1.5')	103	100										
880-54752-10	SW-3 (1.5')	104	97										
880-54752-11	SW-4 (2')	98	99										
880-54752-12	SW-5 (2')	101	100										
880-54752-13	SW-6 (2')	97	94										
880-54752-14	SW-7 (2')	101	99										
880-54752-15	SW-8 (2')	123	85										
880-54752-16	SW-9 (2')	119	87										
880-54752-17	SW-10 (2')	122	86										
LCS 880-103361/1-A	Lab Control Sample	118	93										
LCS 880-103374/1-A	Lab Control Sample	104	97										
LCSD 880-103361/2-A	Lab Control Sample Dup	116	97										
LCSD 880-103374/2-A	Lab Control Sample Dup	99	96										
MB 880-103361/5-A	Method Blank	120	88										
MB 880-103374/5-A	Method Blank	96	88										

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)										
880-54490-A-13-D MS	Matrix Spike	86	77										
880-54490-A-13-E MSD	Matrix Spike Duplicate	85	77										
880-54750-A-1-F MS	Matrix Spike	88	79										
880-54750-A-1-G MSD	Matrix Spike Duplicate	88	78										
880-54752-1	CS-1 (1.5')	80	72										
880-54752-2	CS-2 (1.5')	79	70										
880-54752-3	CS-3 (1.5')	89	79										
880-54752-4	CS-4 (2')	83	74										
880-54752-5	CS-5 (2')	74	65 S1-										
880-54752-6	CS-6 (2')	92	81										
880-54752-7	CS-7 (2')	86	77										
880-54752-8	SW-1 (1.5')	77	68 S1-										

Surrogate Summary

Client: Carmona Resources
Job ID: 880-54752-1
Project/Site: Ling Federal #3 Battery
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)								
880-54752-9	SW-2 (1.5')	80	70								
880-54752-10	SW-3 (1.5')	81	71								
880-54752-11	SW-4 (2')	78	68 S1-								
880-54752-12	SW-5 (2')	82	75								
880-54752-13	SW-6 (2')	76	68 S1-								
880-54752-14	SW-7 (2')	92	83								
880-54752-15	SW-8 (2')	89	80								
880-54752-16	SW-9 (2')	85	77								
880-54752-17	SW-10 (2')	77	71								
LCS 880-103330/2-A	Lab Control Sample	130	115								
LCS 880-103395/2-A	Lab Control Sample	137 S1+	125								
LCSD 880-103330/3-A	Lab Control Sample Dup	128	113								
LCSD 880-103395/3-A	Lab Control Sample Dup	140 S1+	128								
MB 880-103330/1-A	Method Blank	122	110								
MB 880-103395/1-A	Method Blank	108	96								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103361/5-A
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:23	02/21/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:23	02/21/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:23	02/21/25 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/25 09:23	02/21/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:23	02/21/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/25 09:23	02/21/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/21/25 09:23*	*02/21/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/21/25 09:23*	*02/21/25 11:34*	*1*

Lab Sample ID: LCS 880-103361/1-A
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.09716		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2169		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130

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

Lab Sample ID: LCSD 880-103361/2-A
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1150		mg/Kg		115	70 - 130	6	35
Toluene	0.100	0.1055		mg/Kg		105	70 - 130	8	35
Ethylbenzene	0.100	0.1110		mg/Kg		111	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2354		mg/Kg		118	70 - 130	8	35
o-Xylene	0.100	0.1141		mg/Kg		114	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-54744-A-7-C MS
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09958		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.0998	0.09419		mg/Kg		94	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54744-A-7-C MS
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.1002		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2148		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1043		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-54744-A-7-D MSD
Matrix: Solid
Analysis Batch: 103349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1033		mg/Kg		104	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.09357		mg/Kg		94	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.09991		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2122		mg/Kg		107	70 - 130	1	35
o-Xylene	<0.00200	U	0.0996	0.1032		mg/Kg		104	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-103374/5-A
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:28	02/21/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:28	02/21/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:28	02/21/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/25 09:28	02/21/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:28	02/21/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/25 09:28	02/21/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/21/25 09:28*	*02/21/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/21/25 09:28*	*02/21/25 11:42*	*1*

Lab Sample ID: LCS 880-103374/1-A
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09462		mg/Kg		95	70 - 130
Toluene	0.100	0.1076		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-103374/1-A
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1134		mg/Kg		113	70 - 130		

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

Lab Sample ID: LCSD 880-103374/2-A
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1052		mg/Kg		105	70 - 130	11	35
Toluene			0.100	0.1122		mg/Kg		112	70 - 130	4	35
Ethylbenzene			0.100	0.1140		mg/Kg		114	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2109		mg/Kg		105	70 - 130	4	35
o-Xylene			0.100	0.1190		mg/Kg		119	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-54744-A-19-C MS
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103374

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.1000		mg/Kg		100	70 - 130		
Toluene	<0.00200	U	0.0998	0.1013		mg/Kg		102	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1031		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1933		mg/Kg		97	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.1061		mg/Kg		106	70 - 130		

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

Lab Sample ID: 880-54744-A-19-D MSD
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103374

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09520		mg/Kg		96	70 - 130	5	35
Toluene	<0.00200	U	0.0996	0.1045		mg/Kg		105	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0996	0.1062		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2027		mg/Kg		102	70 - 130	5	35
o-Xylene	<0.00200	U	0.0996	0.1115		mg/Kg		112	70 - 130	5	35

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54744-A-19-D MSD
Matrix: Solid
Analysis Batch: 103350

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103374

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-103330/1-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	02/20/25 21:51	02/21/25 17:41	1
o-Terphenyl	110		70 - 130	02/20/25 21:51	02/21/25 17:41	1

Lab Sample ID: LCS 880-103330/2-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103330

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1177		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1090		mg/Kg		109	70 - 130		

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

Lab Sample ID: LCSD 880-103330/3-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103330

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1164		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1083		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	113		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54490-A-13-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103368 — **Prep Batch: 103330**

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	997	754.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	680.1	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: 880-54490-A-13-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103368 — **Prep Batch: 103330**

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	997	732.3		mg/Kg		73	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	670.4	F1	mg/Kg		67	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: MB 880-103395/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103368 — **Prep Batch: 103395**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/25 13:15	02/22/25 01:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/25 13:15	02/22/25 01:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/25 13:15	02/22/25 01:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/21/25 13:15*	*02/22/25 01:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/21/25 13:15*	*02/22/25 01:22*	*1*

Lab Sample ID: LCS 880-103395/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103368 — **Prep Batch: 103395**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1239		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1140		mg/Kg		114	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-103395/2-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103395

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-103395/3-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1253		mg/Kg		125	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1184		mg/Kg		118	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-54750-A-1-F MS
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103395

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	997	770.9		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	749.0		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 880-54750-A-1-G MSD
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103395

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	997	765.6		mg/Kg		77	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	751.5		mg/Kg		75	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	78		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103385/1-A
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 18:34	1

Lab Sample ID: LCS 880-103385/2-A
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.4		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-103385/3-A
Matrix: Solid
Analysis Batch: 103397

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	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-54752-10 MS
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: SW-3 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.90	U	248	247.1		mg/Kg		99	90 - 110		

Lab Sample ID: 880-54752-10 MSD
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: SW-3 (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	<9.90	U	248	247.7		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 103349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-15	SW-8 (2')	Total/NA	Solid	8021B	103361
880-54752-16	SW-9 (2')	Total/NA	Solid	8021B	103361
880-54752-17	SW-10 (2')	Total/NA	Solid	8021B	103361
MB 880-103361/5-A	Method Blank	Total/NA	Solid	8021B	103361
LCS 880-103361/1-A	Lab Control Sample	Total/NA	Solid	8021B	103361
LCSD 880-103361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103361
880-54744-A-7-C MS	Matrix Spike	Total/NA	Solid	8021B	103361
880-54744-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	103361

Analysis Batch: 103350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	8021B	103374
880-54752-2	CS-2 (1.5')	Total/NA	Solid	8021B	103374
880-54752-3	CS-3 (1.5')	Total/NA	Solid	8021B	103374
880-54752-4	CS-4 (2')	Total/NA	Solid	8021B	103374
880-54752-5	CS-5 (2')	Total/NA	Solid	8021B	103374
880-54752-6	CS-6 (2')	Total/NA	Solid	8021B	103374
880-54752-7	CS-7 (2')	Total/NA	Solid	8021B	103374
880-54752-8	SW-1 (1.5')	Total/NA	Solid	8021B	103374
880-54752-9	SW-2 (1.5')	Total/NA	Solid	8021B	103374
880-54752-10	SW-3 (1.5')	Total/NA	Solid	8021B	103374
880-54752-11	SW-4 (2')	Total/NA	Solid	8021B	103374
880-54752-12	SW-5 (2')	Total/NA	Solid	8021B	103374
880-54752-13	SW-6 (2')	Total/NA	Solid	8021B	103374
880-54752-14	SW-7 (2')	Total/NA	Solid	8021B	103374
MB 880-103374/5-A	Method Blank	Total/NA	Solid	8021B	103374
LCS 880-103374/1-A	Lab Control Sample	Total/NA	Solid	8021B	103374
LCSD 880-103374/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103374
880-54744-A-19-C MS	Matrix Spike	Total/NA	Solid	8021B	103374
880-54744-A-19-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	103374

Prep Batch: 103361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-15	SW-8 (2')	Total/NA	Solid	5035	
880-54752-16	SW-9 (2')	Total/NA	Solid	5035	
880-54752-17	SW-10 (2')	Total/NA	Solid	5035	
MB 880-103361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54744-A-7-C MS	Matrix Spike	Total/NA	Solid	5035	
880-54744-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 103374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-54752-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-54752-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-54752-4	CS-4 (2')	Total/NA	Solid	5035	
880-54752-5	CS-5 (2')	Total/NA	Solid	5035	
880-54752-6	CS-6 (2')	Total/NA	Solid	5035	
880-54752-7	CS-7 (2')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 103374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-8	SW-1 (1.5')	Total/NA	Solid	5035	
880-54752-9	SW-2 (1.5')	Total/NA	Solid	5035	
880-54752-10	SW-3 (1.5')	Total/NA	Solid	5035	
880-54752-11	SW-4 (2')	Total/NA	Solid	5035	
880-54752-12	SW-5 (2')	Total/NA	Solid	5035	
880-54752-13	SW-6 (2')	Total/NA	Solid	5035	
880-54752-14	SW-7 (2')	Total/NA	Solid	5035	
MB 880-103374/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103374/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103374/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54744-A-19-C MS	Matrix Spike	Total/NA	Solid	5035	
880-54744-A-19-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 103422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-54752-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-54752-6	CS-6 (2')	Total/NA	Solid	Total BTEX	
880-54752-7	CS-7 (2')	Total/NA	Solid	Total BTEX	
880-54752-8	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-9	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-10	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-54752-11	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-54752-12	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-54752-13	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-54752-14	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-54752-15	SW-8 (2')	Total/NA	Solid	Total BTEX	
880-54752-16	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-54752-17	SW-10 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-54752-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-54752-6	CS-6 (2')	Total/NA	Solid	8015NM Prep	
880-54752-7	CS-7 (2')	Total/NA	Solid	8015NM Prep	
880-54752-8	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-9	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-10	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-54752-11	SW-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-103330/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103330/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 103330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54490-A-13-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54490-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-4	CS-4 (2')	Total/NA	Solid	8015B NM	103330
880-54752-5	CS-5 (2')	Total/NA	Solid	8015B NM	103330
880-54752-6	CS-6 (2')	Total/NA	Solid	8015B NM	103330
880-54752-7	CS-7 (2')	Total/NA	Solid	8015B NM	103330
880-54752-8	SW-1 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-9	SW-2 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-10	SW-3 (1.5')	Total/NA	Solid	8015B NM	103330
880-54752-11	SW-4 (2')	Total/NA	Solid	8015B NM	103330
880-54752-12	SW-5 (2')	Total/NA	Solid	8015B NM	103395
880-54752-13	SW-6 (2')	Total/NA	Solid	8015B NM	103395
880-54752-14	SW-7 (2')	Total/NA	Solid	8015B NM	103395
880-54752-15	SW-8 (2')	Total/NA	Solid	8015B NM	103395
880-54752-16	SW-9 (2')	Total/NA	Solid	8015B NM	103395
880-54752-17	SW-10 (2')	Total/NA	Solid	8015B NM	103395
MB 880-103330/1-A	Method Blank	Total/NA	Solid	8015B NM	103330
MB 880-103395/1-A	Method Blank	Total/NA	Solid	8015B NM	103395
LCS 880-103330/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103330
LCS 880-103395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103395
LCSD 880-103330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103330
LCSD 880-103395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103395
880-54490-A-13-D MS	Matrix Spike	Total/NA	Solid	8015B NM	103330
880-54490-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103330
880-54750-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	103395
880-54750-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103395

Prep Batch: 103395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-12	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-54752-13	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-54752-14	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-54752-15	SW-8 (2')	Total/NA	Solid	8015NM Prep	
880-54752-16	SW-9 (2')	Total/NA	Solid	8015NM Prep	
880-54752-17	SW-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-103395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54750-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54750-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-54752-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 103570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-54752-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-54752-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-54752-6	CS-6 (2')	Total/NA	Solid	8015 NM	
880-54752-7	CS-7 (2')	Total/NA	Solid	8015 NM	
880-54752-8	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-54752-9	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-54752-10	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-54752-11	SW-4 (2')	Total/NA	Solid	8015 NM	
880-54752-12	SW-5 (2')	Total/NA	Solid	8015 NM	
880-54752-13	SW-6 (2')	Total/NA	Solid	8015 NM	
880-54752-14	SW-7 (2')	Total/NA	Solid	8015 NM	
880-54752-15	SW-8 (2')	Total/NA	Solid	8015 NM	
880-54752-16	SW-9 (2')	Total/NA	Solid	8015 NM	
880-54752-17	SW-10 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-54752-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-54752-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-54752-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-54752-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-54752-6	CS-6 (2')	Soluble	Solid	DI Leach	
880-54752-7	CS-7 (2')	Soluble	Solid	DI Leach	
880-54752-8	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-54752-9	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-54752-10	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-54752-11	SW-4 (2')	Soluble	Solid	DI Leach	
880-54752-12	SW-5 (2')	Soluble	Solid	DI Leach	
880-54752-13	SW-6 (2')	Soluble	Solid	DI Leach	
880-54752-14	SW-7 (2')	Soluble	Solid	DI Leach	
880-54752-15	SW-8 (2')	Soluble	Solid	DI Leach	
880-54752-16	SW-9 (2')	Soluble	Solid	DI Leach	
880-54752-17	SW-10 (2')	Soluble	Solid	DI Leach	
MB 880-103385/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103385/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103385/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54752-10 MS	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-54752-10 MSD	SW-3 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 103397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-1	CS-1 (1.5')	Soluble	Solid	300.0	103385
880-54752-2	CS-2 (1.5')	Soluble	Solid	300.0	103385
880-54752-3	CS-3 (1.5')	Soluble	Solid	300.0	103385
880-54752-4	CS-4 (2')	Soluble	Solid	300.0	103385
880-54752-5	CS-5 (2')	Soluble	Solid	300.0	103385
880-54752-6	CS-6 (2')	Soluble	Solid	300.0	103385

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 103397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54752-7	CS-7 (2')	Soluble	Solid	300.0	103385
880-54752-8	SW-1 (1.5')	Soluble	Solid	300.0	103385
880-54752-9	SW-2 (1.5')	Soluble	Solid	300.0	103385
880-54752-10	SW-3 (1.5')	Soluble	Solid	300.0	103385
880-54752-11	SW-4 (2')	Soluble	Solid	300.0	103385
880-54752-12	SW-5 (2')	Soluble	Solid	300.0	103385
880-54752-13	SW-6 (2')	Soluble	Solid	300.0	103385
880-54752-14	SW-7 (2')	Soluble	Solid	300.0	103385
880-54752-15	SW-8 (2')	Soluble	Solid	300.0	103385
880-54752-16	SW-9 (2')	Soluble	Solid	300.0	103385
880-54752-17	SW-10 (2')	Soluble	Solid	300.0	103385
MB 880-103385/1-A	Method Blank	Soluble	Solid	300.0	103385
LCS 880-103385/2-A	Lab Control Sample	Soluble	Solid	300.0	103385
LCSD 880-103385/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103385
880-54752-10 MS	SW-3 (1.5')	Soluble	Solid	300.0	103385
880-54752-10 MSD	SW-3 (1.5')	Soluble	Solid	300.0	103385

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-54752-1
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 14:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 21:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 21:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:10	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-54752-2
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 14:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 21:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 21:54	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:16	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-54752-3
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 14:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 22:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 22:10	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:22	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-54752-4
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			4.99 g	5 mL	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 15:08	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-4
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			103570	02/21/25 22:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 22:24	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:29	CH	EET MID

Client Sample ID: CS-5 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-5
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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 16:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 22:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 22:39	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:47	CH	EET MID

Client Sample ID: CS-6 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-6
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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 17:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 22:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 22:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:53	CH	EET MID

Client Sample ID: CS-7 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 17:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 23:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 23:08	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-54752-7
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			5.03 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 19:59	CH	EET MID

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-54752-8
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			4.99 g	5 mL	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 17:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 23:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 23:24	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 20:05	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-54752-9
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 18:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 23:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 23:38	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 20:11	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-54752-10
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 18:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/21/25 23:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 23:53	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 20:17	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-54752-11
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 18:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 00:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 20:35	CH	EET MID

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-54752-12
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 19:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 06:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 06:04	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 21:24	CH	EET MID

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-54752-13
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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			4.99 g	5 mL	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 19:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 06:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 06:19	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 20:42	CH	EET MID

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-54752-14
Matrix: Solid
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 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	103374	02/21/25 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103350	02/21/25 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 19:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-14
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			103570	02/22/25 06:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 06:33	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 21:00	CH	EET MID

Client Sample ID: SW-8 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-15
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			5.01 g	5 mL	103361	02/21/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103349	02/21/25 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 16:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 06:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 06:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 21:06	CH	EET MID

Client Sample ID: SW-9 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-16
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			4.97 g	5 mL	103361	02/21/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103349	02/21/25 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 16:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 07:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 07:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 21:12	CH	EET MID

Client Sample ID: SW-10 (2')
Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103361	02/21/25 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103349	02/21/25 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103422	02/21/25 17:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103570	02/22/25 07:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103395	02/21/25 13:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/22/25 07:17	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (2')

Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54752-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 21:18	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54752-1
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: Ling Federal #3 Battery

Job ID: 880-54752-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54752-1	CS-1 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-2	CS-2 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-3	CS-3 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-4	CS-4 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-5	CS-5 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-6	CS-6 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-7	CS-7 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-8	SW-1 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-9	SW-2 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-10	SW-3 (1.5')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-11	SW-4 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-12	SW-5 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-13	SW-6 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-14	SW-7 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-15	SW-8 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-16	SW-9 (2')	Solid	02/20/25 00:00	02/21/25 10:10
880-54752-17	SW-10 (2')	Solid	02/20/25 00:00	02/21/25 10:10

Chain of Custody

880-54752 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	☐ Routine ☑ Rush
Project Number:	2622	Due Date:	72 Hour
Project Location	Lea County, New Mexico		
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6
Total Containers:		Corrected Temperature:	-2.7

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-1 (1.5')	2/20/2025		X		C	1	X	X	X		
CS-2 (1.5')	2/20/2025		X		C	1	X	X	X		
CS-3 (1.5')	2/20/2025		X		C	1	X	X	X		
CS-4 (2')	2/20/2025		X		C	1	X	X	X		
CS-5 (2')	2/20/2025		X		C	1	X	X	X		
CS-6 (2')	2/20/2025		X		C	1	X	X	X		
CS-7 (2')	2/20/2025		X		C	1	X	X	X		
SW-1 (1.5')	2/20/2025		X		C	1	X	X	X		
SW-2 (1.5')	2/20/2025		X		C	1	X	X	X		
SW-3 (1.5')	2/20/2025		X		C	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/21 1010

Chain of Custody

Work Order No: _____

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	72 Hour
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-4 (2')	2/20/2025		X		C	1	X	X	X		
SW-5 (2')	2/20/2025		X		C	1	X	X	X		
SW-6 (2')	2/20/2025		X		C	1	X	X	X		
SW-7 (2')	2/20/2025		X		C	1	X	X	X		
SW-8 (2')	2/20/2025		X		C	1	X	X	X		
SW-9 (1.5')	2/20/2025		X		C	1	X	X	X		
SW-10 (0.5')	2/20/2025		X		C	1	X	X	X		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/21 1010

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54752-1
SDG Number: Lea County, New Mexico

Login Number: 54752
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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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Ling Federal #3 Battery
Lea County, New Mexico

JOB NUMBER

880-54751-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

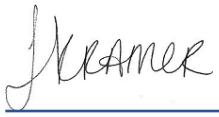
Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Laboratory Job ID: 880-54751-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Ling Federal #3 Battery

Job ID: 880-54751-1

Job ID: 880-54751-1 Eurofins Midland

Job Narrative
880-54751-1

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

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

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

Receipt
The sample was received on 2/21/2025 10:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.7°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: Lea Land Pit (880-54751-1).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-103351 recovered under the lower control limit for Toluene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.
(CCV 880-103351/33)

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103330 and analytical batch 880-103368 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Client Sample ID: Lea Land Pit

Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54751-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/25 10:57	02/21/25 19:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/25 10:57	02/21/25 19:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/25 10:57	02/21/25 19:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/25 10:57	02/21/25 19:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/25 10:57	02/21/25 19:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/25 10:57	02/21/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/25 10:57*	*02/21/25 19:46*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/21/25 10:57*	*02/21/25 19:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/21/25 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/25 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/20/25 21:52	02/21/25 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:10*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/20/25 21:52*	*02/21/25 21:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 18:52	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54744-A-13-C MS	Matrix Spike	102	109
880-54744-A-13-D MSD	Matrix Spike Duplicate	106	98
880-54751-1	Lea Land Pit	103	102
LCS 880-103366/1-A	Lab Control Sample	101	109
LCSD 880-103366/2-A	Lab Control Sample Dup	102	111
MB 880-103366/5-A	Method Blank	101	94

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54490-A-13-D MS	Matrix Spike	86	77
880-54490-A-13-E MSD	Matrix Spike Duplicate	85	77
880-54751-1	Lea Land Pit	84	75
LCS 880-103330/2-A	Lab Control Sample	130	115
LCSD 880-103330/3-A	Lab Control Sample Dup	128	113
MB 880-103330/1-A	Method Blank	122	110

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103366/5-A
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:27	02/21/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:27	02/21/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:27	02/21/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/25 09:27	02/21/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/25 09:27	02/21/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/25 09:27	02/21/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/21/25 09:27*	*02/21/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/21/25 09:27*	*02/21/25 11:42*	*1*

Lab Sample ID: LCS 880-103366/1-A
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1045		mg/Kg		104	70 - 130
Toluene	0.100	0.09318		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09908		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-103366/2-A
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1067		mg/Kg		107	70 - 130	2	35
Toluene	0.100	0.09536		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2128		mg/Kg		106	70 - 130	3	35
o-Xylene	0.100	0.1077		mg/Kg		108	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-54744-A-13-C MS
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1034		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.0998	0.09246		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-54744-A-13-C MS
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09788		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2036		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1029		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-54744-A-13-D MSD
Matrix: Solid
Analysis Batch: 103351

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09506		mg/Kg		95	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.08692		mg/Kg		87	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0996	0.09428		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1968		mg/Kg		99	70 - 130	3	35
o-Xylene	<0.00200	U	0.0996	0.1024		mg/Kg		103	70 - 130	1	35

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

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

Lab Sample ID: MB 880-103330/1-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/25 21:51	02/21/25 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/20/25 21:51*	*02/21/25 17:41*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/20/25 21:51*	*02/21/25 17:41*	*1*

Lab Sample ID: LCS 880-103330/2-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1090		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-103330/2-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103330

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

Lab Sample ID: LCSD 880-103330/3-A
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103330

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1164		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1083		mg/Kg		108	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-54490-A-13-D MS
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 103330

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	997	754.3		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	680.1	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-54490-A-13-E MSD
Matrix: Solid
Analysis Batch: 103368

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 103330

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	997	732.3		mg/Kg		73	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	670.4	F1	mg/Kg		67	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103385/1-A
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/21/25 18:34	1

Lab Sample ID: LCS 880-103385/2-A
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.4		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-103385/3-A
Matrix: Solid
Analysis Batch: 103397

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	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-54751-1 MS
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Lea Land Pit
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.0	U	251	249.1		mg/Kg		97	90 - 110		

Lab Sample ID: 880-54751-1 MSD
Matrix: Solid
Analysis Batch: 103397

Client Sample ID: Lea Land Pit
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	250.2		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 103351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	8021B	103366
MB 880-103366/5-A	Method Blank	Total/NA	Solid	8021B	103366
LCS 880-103366/1-A	Lab Control Sample	Total/NA	Solid	8021B	103366
LCSD 880-103366/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103366
880-54744-A-13-C MS	Matrix Spike	Total/NA	Solid	8021B	103366
880-54744-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	103366

Prep Batch: 103366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	5035	
MB 880-103366/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103366/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103366/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54744-A-13-C MS	Matrix Spike	Total/NA	Solid	5035	
880-54744-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 103536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	8015NM Prep	
MB 880-103330/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103330/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54490-A-13-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-54490-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	8015B NM	103330
MB 880-103330/1-A	Method Blank	Total/NA	Solid	8015B NM	103330
LCS 880-103330/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103330
LCSD 880-103330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103330
880-54490-A-13-D MS	Matrix Spike	Total/NA	Solid	8015B NM	103330
880-54490-A-13-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	103330

Analysis Batch: 103569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Soluble	Solid	DI Leach	
MB 880-103385/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103385/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103385/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 103385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1 MS	Lea Land Pit	Soluble	Solid	DI Leach	
880-54751-1 MSD	Lea Land Pit	Soluble	Solid	DI Leach	

Analysis Batch: 103397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54751-1	Lea Land Pit	Soluble	Solid	300.0	103385
MB 880-103385/1-A	Method Blank	Soluble	Solid	300.0	103385
LCS 880-103385/2-A	Lab Control Sample	Soluble	Solid	300.0	103385
LCSD 880-103385/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103385
880-54751-1 MS	Lea Land Pit	Soluble	Solid	300.0	103385
880-54751-1 MSD	Lea Land Pit	Soluble	Solid	300.0	103385

Lab Chronicle

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Client Sample ID: Lea Land Pit

Date Collected: 02/20/25 00:00
Date Received: 02/21/25 10:10

Lab Sample ID: 880-54751-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103366	02/21/25 10:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103351	02/21/25 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103536	02/21/25 19:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103569	02/21/25 21:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103330	02/20/25 21:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103368	02/21/25 21:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103385	02/21/25 10:51	SA	EET MID
Soluble	Analysis	300.0		1			103397	02/21/25 18:52	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: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Ling Federal #3 Battery

Job ID: 880-54751-1
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: Ling Federal #3 Battery

Job ID: 880-54751-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54751-1	Lea Land Pit	Solid	02/20/25 00:00	02/21/25 10:10

Chain of Custody

880-54751 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay & Addison Guekler
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823 Email:		Granth@forl.com & addisong@forl.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ling Federal #3 Battery	Turn Around	
Project Number:	2622	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	72 Hour
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-1.5
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.5
Total Containers:		Corrected Temperature:	2.5

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
Lea Land Pit	2/20/2025		X		C	1	X	X	X	

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			2/20/25 1018

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-54751-1
SDG Number: Lea County, New Mexico

Login Number: 54751
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	

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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 441115
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500332961**
Incident Name	**NAPP2500332961 LING FEDERAL #3 BATTERY @ 30-025-38608**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-38608] LING FEDERAL #003**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Ling Federal #3 Battery
Date Release Discovered	12/26/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Valve | Crude Oil | Released: 16 BBL | Recovered: 9 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Check Valves failed on tank and caused overflow

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

QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 441115
	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: Addison Long Email: addisonl@forl.com Date: 01/03/2025

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

General Information
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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 (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 441115
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	111
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3590
GRO+DRO (EPA SW-846 Method 8015M)	3590
BTEX (EPA SW-846 Method 8021B or 8260B)	19.7
Benzene (EPA SW-846 Method 8021B or 8260B)	351
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/19/2025
On what date will (or did) the final sampling or liner inspection occur	02/20/2025
On what date will (or was) the remediation complete(d)	02/24/2025
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	1286
What is the estimated volume (in cubic yards) that will be remediated	127
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 441115
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 03/11/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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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 (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 441115
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**432890**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/20/2025**
What was the (estimated) number of samples that were to be gathered	**18**
What was the sampling surface area in square feet	**1300**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1286
What was the total volume (cubic yards) remediated	127
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)	Not any

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

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

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 03/11/2025

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QUESTIONS (continued)

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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

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/9/2025