

CARMONA RESOURCES



SITE INFORMATION

Closure Report

Stratocaster 20 Federal Com 004H (04.01.23)

Incident #: NAPP2310143956

Lea County, New Mexico

Unit I Sec 20 T23S R34E

32.2882°, -103.4862°

Crude Oil Release

Point of Release: Flooded Separator

Release Date: 04.01.23

Volume Released: 0.4007 Barrels of Crude Oil

Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
COG Operating, LLC
600 W Illinois Ave
Midland, Texas 79701

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION FIGURE 4 EXCAVATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C INITIAL C-141 AND FINAL/ NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



August 9, 2023

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

Re: Closure Report
Stratocaster 20 Federal Com 004H (04.01.23)
Concho Operating, LLC
Site Location: Unit I, S20, T23S, R34E
(Lat 32.2882°, Long -103.4862°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Stratocaster 20 Federal Com 004H. The site is located at 32.2882, -103.4862 within Unit I, S20, T23S, 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 April 1, 2023, due to an equipment malfunction causing a flooded separator. It resulted in approximately point four zero zero seven (0.4007) barrels of crude oil and zero (0) barrels of crude oil recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

On July 18, 2023, the NMOCD approved a 30-day extension till August 17, 2023. The email correspondence can be found 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, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.60 miles northeast of the site in S16, T23S, R34E and was drilled in 2018. The well has a reported depth to groundwater of 200 feet below the ground surface (ft bgs). A copy of the associated point of diversion 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

Initial Assessment

On May 23, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 0.5' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed



directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Using a hand auger, a dense layer was encountered on the pad around 0.25' - 0.5' bgs and could not grab deeper samples. See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on July 26, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of thirteen (13) confirmation floor samples were collected (CS-1 through CS-13), and eight (8) sidewall samples (SW-1 through SW-8) 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 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 175 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

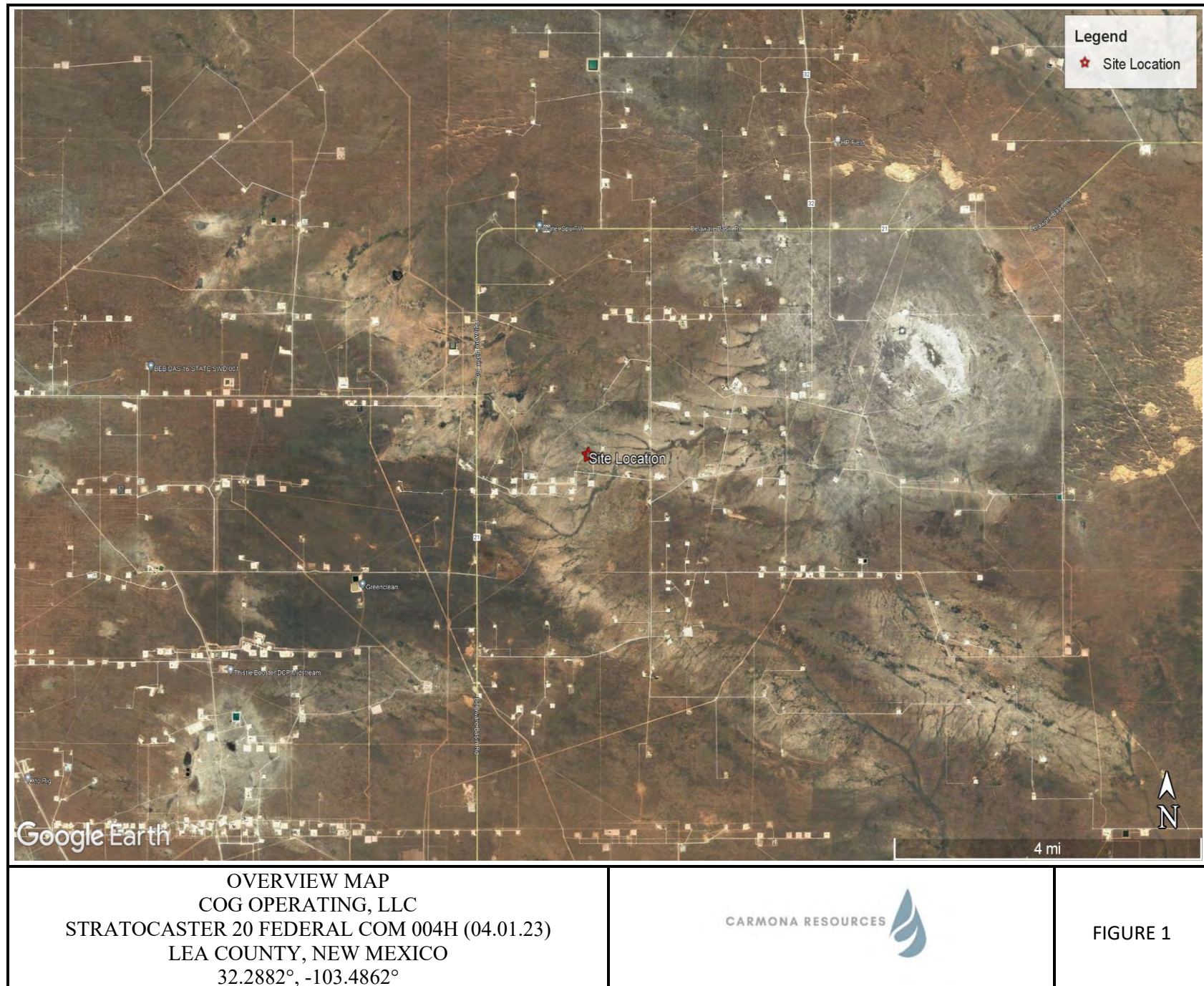
Mike Carmona
Environmental Manager

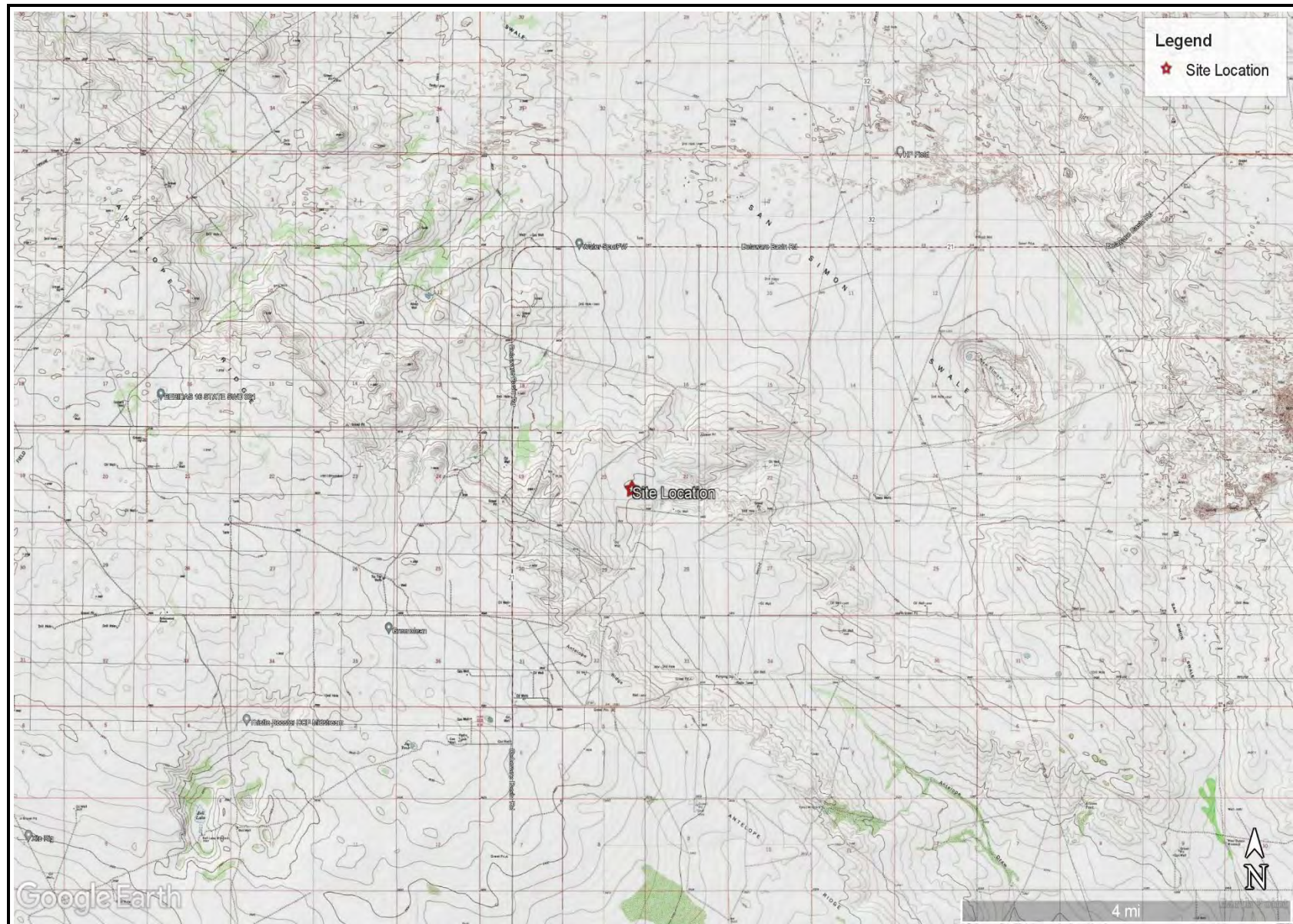
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
COG OPERATING, LLC
STRATOCASTER 20 FEDERAL COM 004H (04.01.23)
LEA COUNTY, NEW MEXICO
32.2882°, -103.4862°



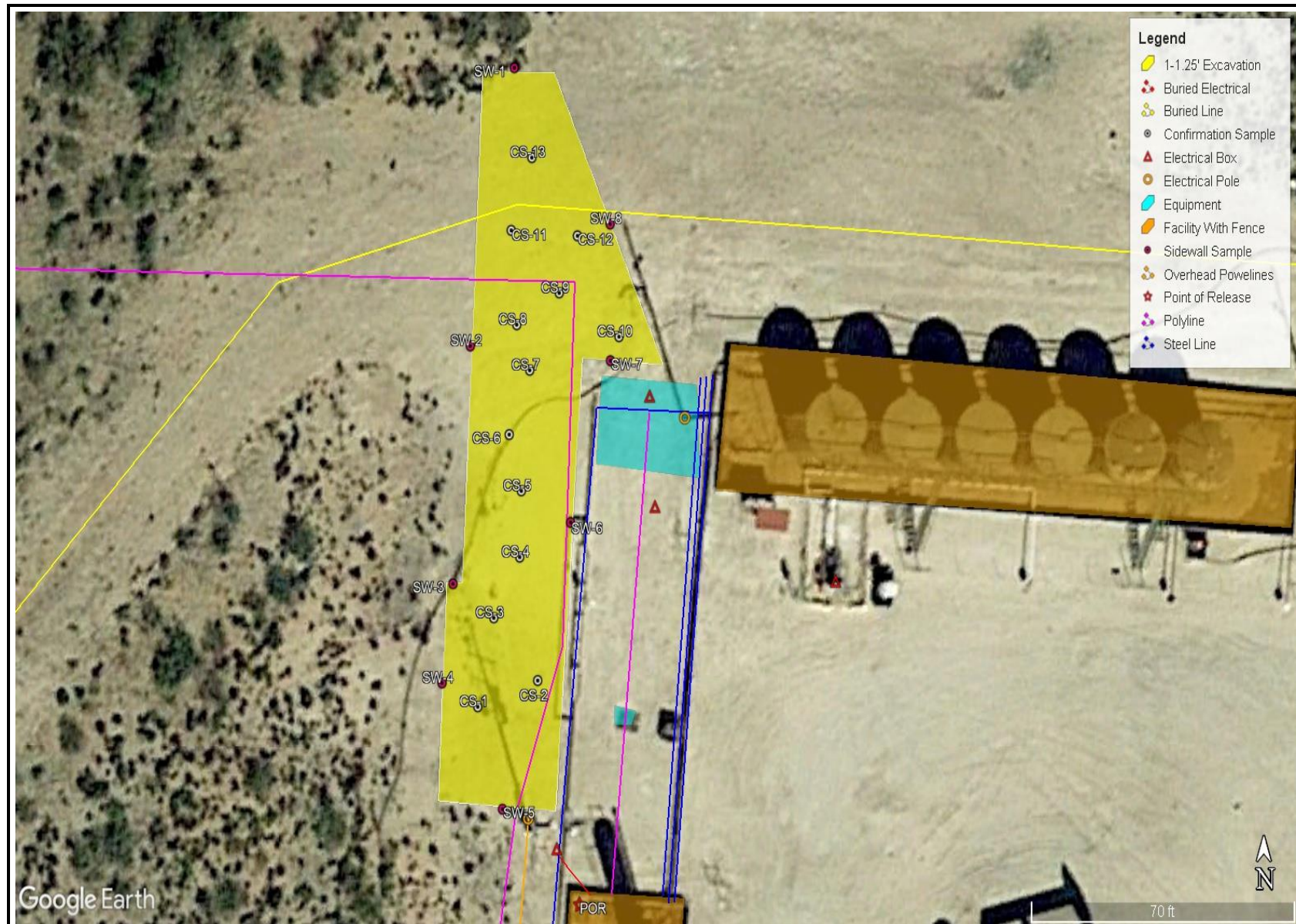
FIGURE 2



SAMPLE LOCATION MAP
 COG OPERATING, LLC
 STRATOCASTER 20 FEDERAL COM 004H (04.01.23)
 LEA COUNTY, NEW MEXICO
 32.2882°, -103.4862°



FIGURE 3



EXCAVATION MAP
 COG OPERATING, LLC
 STRATOCASTER 20 FEDERAL COM 004H (04.01.23)
 LEA COUNTY, NEW MEXICO
 32.2882°, -103.4862°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Stratocaster 20 Federal Com 004H (04.01.23)
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	5/23/2023	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.1
S-2	5/23/2023	0-0.25'	<49.8	174	<49.8	174	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,550
	"	0.5'	<50.0	469	84.2	553	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	655
S-3	5/23/2023	0-0.25'	<49.9	155	<49.9	155	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15,500
S-4	5/23/2023	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,870
S-5	5/23/2023	0-0.25'	<49.8	55.5	<49.8	55.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,550
H-1	5/23/2023	0-0.5	<49.9	300	115	415	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.4
	8/3/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	54.5
H-2	5/23/2023	0-0.5	<49.8	108	112	220	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.9
	8/3/2023	0-0.5	<49.5	79.3	<49.5	79.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	28.3
H-3	5/23/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.0
H-4	5/23/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	136
H-5	5/23/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	155
H-6	5/23/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	312
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

(H) Horizontal Sample

(S) Soil Sample

Removed

Table 2
Conoco Phillips
Stratocaster 20 Federal Com 004H (4.01.23)
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	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-2	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	7/31/2023	1.0	<10.0	85.3	75.6	160.9	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	8/2/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-8	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-9	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-10	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-11	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-12	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-13	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-1	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
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

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 1****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

View Southwest, area of CS-1 through CS-4.

**Photograph No. 2****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

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

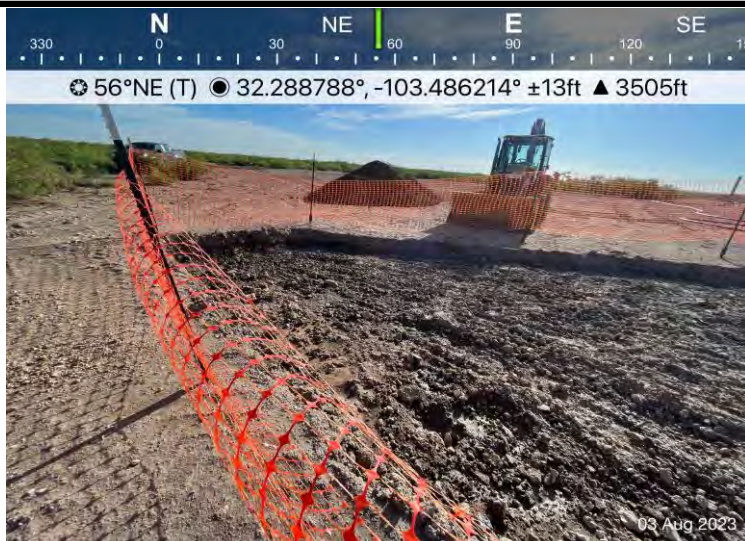
**Photograph No. 3****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

View South, area of CS-7 through CS-12.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 4****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

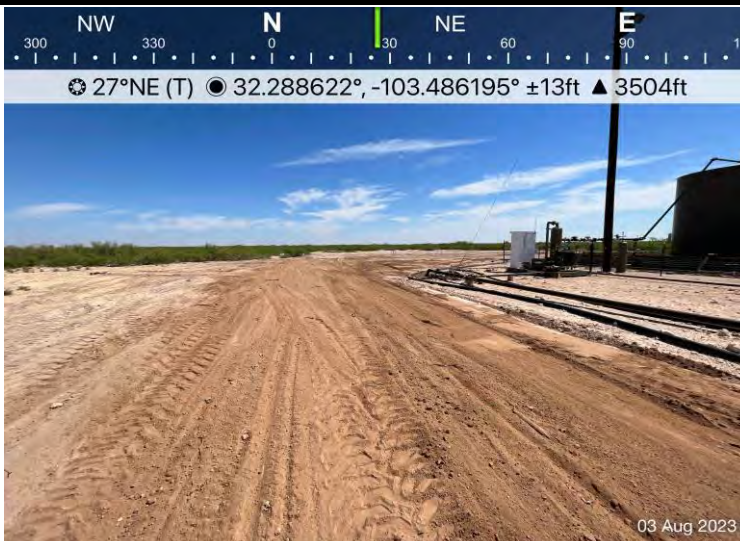
View Northeast, area of CS-13.

**Photograph No. 5****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

View West, backfilled area of CS-1 through CS-3.

**Photograph No. 6****Facility:** Stratocaster 20 Federal Com 004H
(04.01.23)**County:** Lea County, New Mexico**Description:**

View Northeast, backfilled area of CS-4 through CS-8.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Stratocaster 20 Federal Com 004H
(04.01.23)

County: Lea County, New Mexico

Description:
View South, backfilled area of CS-9 through CS-13.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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


Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/12/2023</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/15/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/15/2023

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

Closure Approved by: Nelson Velez Date: 11/29/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

From: Wells, Shelly, EMNRD
Sent: Wednesday, July 26, 2023 2:17 PM
To: Conner Moehring
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] COG - Stratocaster 20 Fed 004H (04.01.23) - Sampling Notification

Hi Conner,

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

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 |Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Wednesday, July 26, 2023 11:54 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>
Subject: [EXTERNAL] COG - Stratocaster 20 Fed 004H (04.01.23) - Sampling Notification

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

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples for the below site on 07/31/23. Sampling is scheduled to begin as early as 8:00 a.m. (MST) Monday, July 31st, weather and soil conditions permitting. Please let me know if you have any questions.

COG – Stratocaster 20 Fed 004H (04.01.23)
NAPP2310143956
Sec 20 T23S R34E Unit I
32.2882, -103.4862
Lea County, New Mexico

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



From: Velez, Nelson, EMNRD
Sent: Tuesday, July 18, 2023 4:13 PM
To: Conner Moehring
Cc: Mike Carmona; Bratcher, Michael, EMNRD
Subject: COP - Stratocaster 20 Fed 004H (04.01.23) - NAPP2310143956

Good afternoon Conner,

Thank you for the correspondence (below). Your 30-day time extension is approved. Remediation Due date has been updated to 08/17/2023.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



previous email submitted;

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, July 18, 2023 12:37 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>
Subject: [EXTERNAL] COP - Stratocaster 20 Fed 004H (04.01.23) - NAPP2310143956

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

Good Afternoon,

I want to inform the OCD of the status of the above-referenced site. We are currently in the process of repairing a line in the excavation area, and all remediation activities have been stopped to allow the crew to repair the line to safely and COP to clear the line to allow the crew back into the area and work safely. The majority of the excavation has been excavated, but confirmation samples have not been collected. On behalf of COP, we are requesting an additional four weeks to complete the project. Thank you, and let me know if you have any questions.

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



APPENDIX D


CARMONA RESOURCES





Nearest water well


COG Operating


Legend


 0.50 Mile Radius


 1.60 Miles

 1.66 Miles

 1.80 Miles

 1.82 Miles

 NMSEO Water Well

 Stratocaster 20 Federal Com 004H (4.01.23)



Low Karst

COG Operating

Legend

- Low
- Stratocaster 20 Federal Com 004H (4.01.23)/(4.27.23)

Stratocaster 20 Federal Com 004H (4.01.23)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04667 POD1	CUB	LE		3	4	3	20	23S	34E	641770	3572915	969			
CP 01258 POD3	CP	LE		1	4	3	22	23S	34E	644938	3573097	2370	25		
CP 01258 POD2	CP	LE		1	4	3	22	23S	34E	644941	3572883	2413	65		
CP 01258 POD1	CP	LE		1	4	3	22	23S	34E	645015	3573221	2432	25		
CP 01730 POD1	CP	LE		2	2	1	16	23S	34E	643549	3575824	2577	594	200	394
CP 01760 POD1	CP	LE		3	1	2	16	23S	34E	643627	3575897	2674	767	290	477
CP 00556 POD1	CP	LE		4	4	3	08	23S	34E	641762	3576206	2895	497	255	242
CP 00637	CP	LE		3	3	4	15	23S	34E	645293	3574541*	2920	430	430	0
CP 00618	CP	LE		1	2	4	22	23S	34E	645713	3573539*	3123	428	295	133
C 04353 POD1	CUB	ED		4	2	2	24	23S	33E	639474	3574098	3187	603	330	273
C 03620 POD1	CUB	LE		1	4	3	32	23S	34E	641790	3569941	3581	480	130	350
CP 01886 POD1	CP	LE		4	1	4	07	23S	34E	640646	3576545	3671			
CP 01785 POD1	CP	LE		4	1	3	14	23S	34E	646203	3575003	3939	488	245	243
CP 00580	CP	LE		3	4	3	23	23S	34E	646524	3572948*	3962	220		
C 04282 POD1	C	LE		1	2	1	05	24S	34E	641662	3569541	3999	574	390	184
CP 01120 POD1	CP	LE		2	3	3	14	23S	34E	646366	3574753	3999	397	318	79

Average Depth to Water: **288 feet**

Minimum Depth: **130 feet**

Maximum Depth: **430 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 642591

Northing (Y): 3573432

Radius: 4000

*UTM location was derived from PLSS - see Help

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

5/31/23 1:37 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01730 POD1	2	2	1	16	23S	34E	643549	3575824

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.

Drill Start Date: 10/31/2018 **Drill Finish Date:** 11/05/2018 **Plug Date:**

Log File Date: 12/13/2018 **PCW Rev Date:** **Source:** Artesian

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 320 GPM

Casing Size: 7.60 **Depth Well:** 594 feet **Depth Water:** 200 feet

Water Bearing Stratifications:

Top	Bottom	Description
290	320	Sandstone/Gravel/Conglomerate
320	350	Sandstone/Gravel/Conglomerate
350	440	Sandstone/Gravel/Conglomerate
440	490	Sandstone/Gravel/Conglomerate
490	530	Sandstone/Gravel/Conglomerate
530	550	Sandstone/Gravel/Conglomerate
550	570	Sandstone/Gravel/Conglomerate
570	580	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
294	594

Meter Number:	20209	Meter Make:	SEAMETRICS
Meter Serial Number:	042018001201	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/07/2021	2021	144453	A	ad		0
02/05/2021	2021	144453	A	ad		0
08/02/2021	2021	144453	A	ad		0
09/01/2021	2021	144453	A	ad		0
10/05/2021	2021	144453	A	ad		0
11/04/2021	2021	144453	A	ad		0
12/13/2021	2021	144453	A	ad		0
01/01/2022	2022	144453	A	ad		0
02/08/2022	2022	144453	A	ad		0
03/02/2022	2022	144453	A	ad		0
04/01/2022	2022	144453	A	ad		0
05/06/2022	2022	144453	A	ad		0
06/07/2022	2022	144453	A	ad		0

07/10/2022	2022	144453	A	ad	0
09/05/2022	2022	144453	A	ad	0
10/10/2022	2022	144453	A	ad	0
11/10/2022	2022	144453	A	ad	0

<hr/>					
**YTD Meter Amounts:					
		Year			Amount
		2021			0
		2022			0

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


5/31/23 1:37 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01760 POD1	3	1	2	16	23S	34E	643627	3575897 
x									
Driller License:	1706	Driller Company:				ELITE DRILLERS CORPORATION			
Driller Name:	WALLACE, BRYCE J.LEE.NER								
Drill Start Date:	02/01/2020	Drill Finish Date:				03/15/2020		Plug Date:	
Log File Date:	04/09/2020	PCW Rcv Date:						Source:	Artesian
Pump Type:		Pipe Discharge Size:						Estimated Yield:	80 GPM
Casing Size:	8.00	Depth Well:				767 feet		Depth Water:	290 feet

Water Bearing Stratifications:		Top	Bottom	Description
		285	320	Sandstone/Gravel/Conglomerate
		320	350	Shale/Mudstone/Siltstone
		350	445	Sandstone/Gravel/Conglomerate
		445	495	Shale/Mudstone/Siltstone
		495	530	Sandstone/Gravel/Conglomerate
		530	555	Sandstone/Gravel/Conglomerate
		555	570	Sandstone/Gravel/Conglomerate
		570	585	Sandstone/Gravel/Conglomerate
		585	600	Shale/Mudstone/Siltstone
		600	630	Shale/Mudstone/Siltstone
		630	660	Sandstone/Gravel/Conglomerate
		660	710	Sandstone/Gravel/Conglomerate
		710	750	Limestone/Dolomite/Chalk

Casing Perforations:		Top	Bottom
		567	767

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



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 00556	POD1	4	4	3	08	23S	34E	641762	3576206

x

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MURRELL

Drill Start Date: 09/27/1974	Drill Finish Date: 10/17/1974	Plug Date:
Log File Date: 10/25/1974	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 28 GPM
Casing Size: 7.00	Depth Well: 497 feet	Depth Water: 255 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	255	497	Other/Unknown

x

Casing Perforations:	Top	Bottom
	397	497

x

Meter Number: 8511	Meter Make: MASTER
Meter Serial Number: 162038091	Meter Multiplier: 1.0000
Number of Dials: 9	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
08/20/2004	2004	42932	A	jw		0
12/04/2004	2004	52692	A	jw		2.995
06/06/2014	2014	301111	A	RPT		0
10/01/2014	2014	42846900	A	RPT	Changeout 6-6-14	0
12/31/2014	2014	52078300	A	RPT		28.330
01/01/2015	2015	52078300	A	RPT		0
02/01/2015	2015	54551900	A	RPT		7.591
03/27/2015	2015	8539300	A	RPT	Changeout 3-27-15	0
03/27/2015	2015	58752900	A	RPT		12.892
04/30/2015	2015	11420700	A	RPT		8.843
05/31/2015	2015	14304800	A	RPT		8.851
07/01/2015	2015	17059300	A	RPT		8.453
08/01/2015	2015	19766900	A	RPT		8.309
01/01/2016	2016	29255500	A	RPT		29.119
02/01/2016	2016	29935100	A	RPT		2.086
03/02/2016	2016	29935100	A	RPT		0
04/01/2016	2016	29935100	A	RPT		0
05/01/2016	2016	29935100	A	RPT		0
06/01/2016	2016	30608200	A	RPT		2.066
07/01/2016	2016	30608200	A	RPT		0

08/01/2016	2016	35219100	A	RPT	14.150
09/01/2016	2016	37237600	A	RPT	6.195
10/01/2016	2016	39565700	A	RPT	7.145
11/01/2016	2016	41758893	A	RPT	6.731
12/01/2016	2016	42681000	A	RPT	2.830
12/31/2016	2016	44051528	A	RPT	4.206
01/31/2017	2017	44051556	A	RPT	0
02/28/2017	2017	45103057	A	RPT	3.227
03/31/2017	2017	47434243	A	RPT	7.154
04/30/2017	2017	48896700	A	RPT	4.488
05/31/2017	2017	51591700	A	RPT	8.271
06/30/2017	2017	54128300	A	RPT	7.785
07/31/2017	2017	55958997	A	RPT	5.618
08/14/2017	2017	56239094	A	RPT	0.860
08/14/2017	2017	0	A	RPT	0
08/21/2017	2017	592800	A	RPT	1.819
09/30/2017	2017	593300	A	RPT	0.002
10/31/2017	2017	2259200	A	RPT	5.112
11/30/2017	2017	3589700	A	RPT	4.083
12/31/2017	2017	5014800	A	RPT	4.373
01/31/2018	2018	6071400	A	RPT	3.243
02/28/2018	2018	6484000	A	RPT	1.266
03/31/2018	2018	8664100	A	RPT	6.690
05/31/2018	2018	12408500	A	RPT	11.491
10/31/2018	2018	21487685	A	RPT	27.863
11/30/2018	2018	21487685	A	RPT	0
03/31/2019	2019	21487685	A	RPT	0
04/30/2019	2019	21487685	A	RPT	0

x

**YTD Meter Amounts:	Year	Amount
	2004	2.995
	2014	28.330
	2015	54.939
	2016	74.528
	2017	52.792
	2018	50.553
	2019	0

x

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


5/31/23 1:41 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

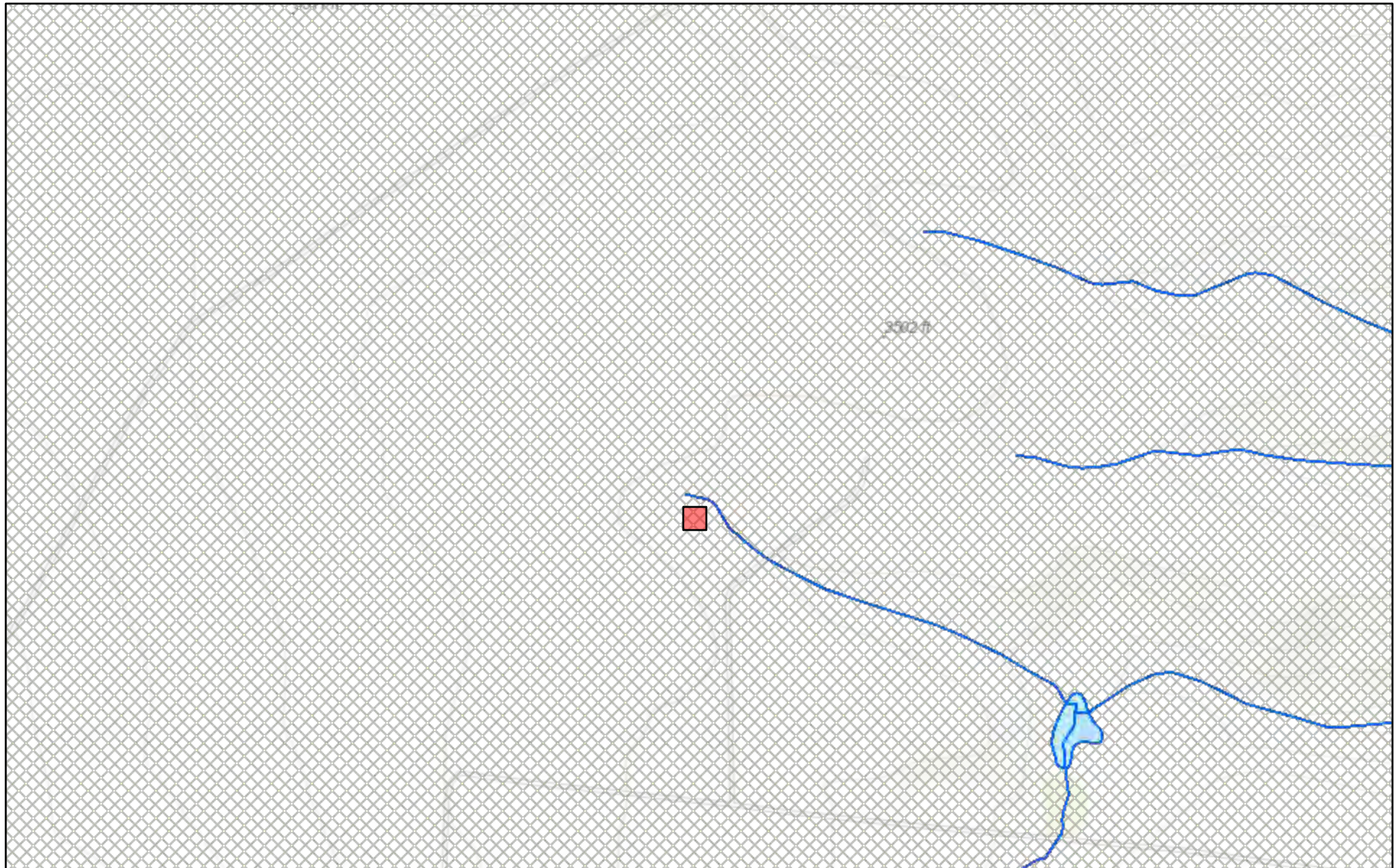
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y			
	CP 00637	3	3	4	15	23S	34E	645293	3574541*			
x												
Driller License:		729		Driller Company:			WHELLER, RAY DRILLING CO.					
Driller Name:		WHEELER, RONALD R										
Drill Start Date:		07/06/1981		Drill Finish Date:			07/09/1981		Plug Date:			
Log File Date:		07/16/1981		PCW Rcv Date:						Source:		
Pump Type:					Pipe Discharge Size:						Estimated Yield:	
Casing Size:		7.00		Depth Well:			430 feet		Depth Water:		100 GPM	
											430 feet	
x												
Water Bearing Stratifications:				Top	Bottom	Description						
				400	425	Sandstone/Gravel/Conglomerate						
x												
Casing Perforations:				Top	Bottom							
				400	430							
x												

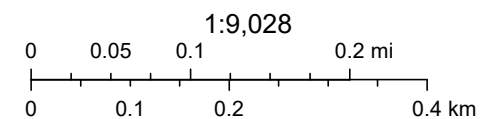
*UTM location was derived from PLSS - see Help

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

New Mexico NFHL Data



May 31, 2023



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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 6/1/2023 1:38:31 PM

JOB DESCRIPTION

Stratocaster 20 Fed 3&4 (4.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-28857-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
6/1/2023 1:38:31 PM

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

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Laboratory Job ID: 880-28857-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	18
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Job ID: 880-28857-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-28857-1**

Receipt

The samples were received on 5/26/2023 1:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.25') (880-28857-1), S-2 (0-0.25') (880-28857-2), S-2 (0.5') (880-28857-3), S-3 (0-0.25') (880-28857-4), S-4 (0-0.25') (880-28857-5) and S-5 (0-0.25') (880-28857-6).

GC VOA

Method 8021B: The CCV was biased low for ethylbenzene, toluene, o-xylene, and m,p-xylenes. Another CCV was analyzed and acceptable within the method specified 12 hour window; therefore, the data was qualified and reported. (CCV 880-54444/33)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54428 and analytical batch 880-54444 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54278 and analytical batch 880-54321 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54269 and analytical batch 880-54394 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-28857-1

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/30/23 09:40	05/30/23 18:42	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/30/23 09:40	05/30/23 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/31/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/23 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		05/26/23 17:20	05/28/23 11:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 11:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/26/23 17:20	05/28/23 11:53	1
o-Terphenyl	94		70 - 130	05/26/23 17:20	05/28/23 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.1		5.05		mg/Kg			05/30/23 10:23	1

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-28857-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 19:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 19:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 09:40	05/30/23 19:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 19:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 09:40	05/30/23 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/30/23 09:40	05/30/23 19:03	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/30/23 09:40	05/30/23 19:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-28857-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			05/31/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	174		49.8		mg/Kg			05/30/23 09:23	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		05/26/23 17:20	05/28/23 12:59	1
Diesel Range Organics (Over C10-C28)	174		49.8		mg/Kg		05/26/23 17:20	05/28/23 12:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/26/23 17:20	05/28/23 12:59	1
o-Terphenyl	99		70 - 130				05/26/23 17:20	05/28/23 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1550		50.4		mg/Kg			05/30/23 10:28	10

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-28857-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 19:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 19:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 19:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 19:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/30/23 09:40	05/30/23 19:23	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/30/23 09:40	05/30/23 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/31/23 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	553		50.0		mg/Kg			05/30/23 09:23	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		05/26/23 17:20	05/28/23 13:21	1
Diesel Range Organics (Over C10-C28)	469		50.0		mg/Kg		05/26/23 17:20	05/28/23 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-28857-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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)	84.2		50.0		mg/Kg		05/26/23 17:20	05/28/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				05/26/23 17:20	05/28/23 13:21	1
o-Terphenyl	114		70 - 130				05/26/23 17:20	05/28/23 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	655		50.0		mg/Kg			05/30/23 10:34	10

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-28857-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	05/31/23 23:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	05/31/23 23:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	05/31/23 23:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/30/23 15:51	05/31/23 23:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	05/31/23 23:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/30/23 15:51	05/31/23 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/30/23 15:51	05/31/23 23:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/30/23 15:51	05/31/23 23:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	155		49.9		mg/Kg			05/30/23 09:23	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		05/26/23 17:20	05/28/23 13:42	1
Diesel Range Organics (Over C10-C28)	155		49.9		mg/Kg		05/26/23 17:20	05/28/23 13:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/26/23 17:20	05/28/23 13:42	1
o-Terphenyl	93		70 - 130				05/26/23 17:20	05/28/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15500		248		mg/Kg			05/30/23 10:39	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-0.25')

Lab Sample ID: 880-28857-5

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	05/31/23 23:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	05/31/23 23:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	05/31/23 23:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	05/31/23 23:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	05/31/23 23:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	05/31/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/30/23 15:51	05/31/23 23:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/30/23 15:51	05/31/23 23:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/01/23 09:26	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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 14:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/26/23 17:20	05/28/23 14:04	1
o-Terphenyl	95		70 - 130	05/26/23 17:20	05/28/23 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		25.2		mg/Kg			05/30/23 10:44	5

Client Sample ID: S-5 (0-0.25')

Lab Sample ID: 880-28857-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 00:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 00:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 00:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 15:51	06/01/23 00:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 00:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 15:51	06/01/23 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/30/23 15:51	06/01/23 00:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/30/23 15:51	06/01/23 00:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0-0.25')

Lab Sample ID: 880-28857-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.5		49.8		mg/Kg			05/30/23 09:23	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		05/26/23 17:20	05/28/23 14:26	1
Diesel Range Organics (Over C10-C28)	55.5		49.8		mg/Kg		05/26/23 17:20	05/28/23 14:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/26/23 17:20	05/28/23 14:26	1
o-Terphenyl	94		70 - 130				05/26/23 17:20	05/28/23 14:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550	F1	50.1		mg/Kg			05/30/23 10:50	10

Surrogate Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
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)
880-28852-A-4-C MS	Matrix Spike	76	118
880-28852-A-4-D MSD	Matrix Spike Duplicate	84	115
880-28857-1	S-1 (0-0.25')	89	91
880-28857-2	S-2 (0-0.25')	89	87
880-28857-3	S-2 (0.5')	89	85
880-28857-4	S-3 (0-0.25')	98	101
880-28857-5	S-4 (0-0.25')	107	99
880-28857-6	S-5 (0-0.25')	121	101
880-28876-A-1-A MS	Matrix Spike	105	103
880-28876-A-1-B MSD	Matrix Spike Duplicate	99	110
LCS 880-54365/1-A	Lab Control Sample	106	101
LCS 880-54428/1-A	Lab Control Sample	82	115
LCSD 880-54365/2-A	Lab Control Sample Dup	99	103
LCSD 880-54428/2-A	Lab Control Sample Dup	105	111
MB 880-54365/5-A	Method Blank	90	109
MB 880-54425/5-A	Method Blank	83	102
MB 880-54428/5-A	Method Blank	79	103
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)
880-28857-1	S-1 (0-0.25')	97	94
880-28857-1 MS	S-1 (0-0.25')	91	81
880-28857-1 MSD	S-1 (0-0.25')	98	85
880-28857-2	S-2 (0-0.25')	103	99
880-28857-3	S-2 (0.5')	118	114
880-28857-4	S-3 (0-0.25')	98	93
880-28857-5	S-4 (0-0.25')	102	95
880-28857-6	S-5 (0-0.25')	99	94
LCS 880-54278/2-A	Lab Control Sample	99	91
LCSD 880-54278/3-A	Lab Control Sample Dup	101	95
MB 880-54278/1-A	Method Blank	91	90
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54365/5-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/30/23 09:40	05/30/23 11:30	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/30/23 09:40	05/30/23 11:30	1

Lab Sample ID: LCS 880-54365/1-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09839		mg/Kg		98	70 - 130
Toluene	0.100	0.09022		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08827		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09537		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-54365/2-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1284		mg/Kg		128	70 - 130	26	35
Toluene	0.100	0.1125		mg/Kg		113	70 - 130	22	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130	14	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28876-A-1-A MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1210		mg/Kg		120	70 - 130
Toluene	<0.00201	U	0.101	0.1065		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28876-A-1-A MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.1040		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2162		mg/Kg		107	70 - 130
o-Xylene	<0.00201	U	0.101	0.1073		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28876-A-1-B MSD

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1191		mg/Kg		120	70 - 130	2	35
Toluene	<0.00201	U	0.0996	0.09924		mg/Kg		100	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.0996	0.09310		mg/Kg		93	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1915		mg/Kg		96	70 - 130	12	35
o-Xylene	<0.00201	U	0.0996	0.09560		mg/Kg		96	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-54425/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/30/23 15:42	05/31/23 10:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/30/23 15:42	05/31/23 10:53	1

Lab Sample ID: MB 880-54428/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54428/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	05/30/23 15:51	05/31/23 22:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/30/23 15:51	05/31/23 22:42	1

Lab Sample ID: LCS 880-54428/1-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.09418		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08057		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1568		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07851		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-54428/2-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	6	35
Toluene	0.100	0.09515		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09010		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	18	35
o-Xylene	0.100	0.09428		mg/Kg		94	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-28852-A-4-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1230		mg/Kg		122	70 - 130
Toluene	<0.00199	U	0.101	0.08215		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06967	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1305	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06536	F1	mg/Kg		65	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28852-A-4-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54428

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-28852-A-4-D MSD

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54428

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	0.1182		mg/Kg		118	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.08174		mg/Kg		82	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.07111		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1343	F1	mg/Kg		67	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.100	0.06799	F1	mg/Kg		68	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-54278/1-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54278

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		05/26/23 17:20	05/28/23 09:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	91		70 - 130	05/26/23 17:20	05/28/23 09:01	1			
o-Terphenyl	90		70 - 130	05/26/23 17:20	05/28/23 09:01	1			

Lab Sample ID: LCS 880-54278/2-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	852.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	839.9		mg/Kg		84	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	91		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54278/3-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	851.4		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	887.0		mg/Kg		89	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-28857-1 MS

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	564.0	F1	mg/Kg		57	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	743.0		mg/Kg		71	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	81		70 - 130								

Lab Sample ID: 880-28857-1 MSD

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	603.3	F1	mg/Kg		61	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	799.1		mg/Kg		76	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	85		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54269/1-A

Matrix: Solid

Analysis Batch: 54394

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 09:19	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-54269/2-A

Matrix: Solid

Analysis Batch: 54394

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.7		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-54269/3-A

Matrix: Solid

Analysis Batch: 54394

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28857-6 MS

Matrix: Solid

Analysis Batch: 54394

Client Sample ID: S-5 (0-0.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2550	F1	2510	4774	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-28857-6 MSD

Matrix: Solid

Analysis Batch: 54394

Client Sample ID: S-5 (0-0.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2550	F1	2510	4781	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 54337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	8021B	54365
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	8021B	54365
880-28857-3	S-2 (0.5')	Total/NA	Solid	8021B	54365
MB 880-54365/5-A	Method Blank	Total/NA	Solid	8021B	54365
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	8021B	54365
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54365
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	54365
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54365

Prep Batch: 54365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	5035	
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	5035	
880-28857-3	S-2 (0.5')	Total/NA	Solid	5035	
MB 880-54365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54425/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	5035	
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	5035	
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	5035	
MB 880-54428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	8021B	54428
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	8021B	54428
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	8021B	54428
MB 880-54425/5-A	Method Blank	Total/NA	Solid	8021B	54425
MB 880-54428/5-A	Method Blank	Total/NA	Solid	8021B	54428
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	8021B	54428
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54428
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	54428
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54428

Analysis Batch: 54470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-3	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	Total BTEX	
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-28857-3	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	8015NM Prep	
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28857-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-28857-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	54278
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	8015B NM	54278
880-28857-3	S-2 (0.5')	Total/NA	Solid	8015B NM	54278
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	8015B NM	54278
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	8015B NM	54278
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	8015B NM	54278
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015B NM	54278
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54278
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54278
880-28857-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015B NM	54278
880-28857-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015B NM	54278

Analysis Batch: 54355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-28857-2	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-28857-3	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-28857-4	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-28857-5	S-4 (0-0.25')	Total/NA	Solid	8015 NM	
880-28857-6	S-5 (0-0.25')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-28857-2	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-28857-3	S-2 (0.5')	Soluble	Solid	DI Leach	
880-28857-4	S-3 (0-0.25')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-5	S-4 (0-0.25')	Soluble	Solid	DI Leach	
880-28857-6	S-5 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-54269/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54269/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54269/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28857-6 MS	S-5 (0-0.25')	Soluble	Solid	DI Leach	
880-28857-6 MSD	S-5 (0-0.25')	Soluble	Solid	DI Leach	

Analysis Batch: 54394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28857-1	S-1 (0-0.25')	Soluble	Solid	300.0	54269
880-28857-2	S-2 (0-0.25')	Soluble	Solid	300.0	54269
880-28857-3	S-2 (0.5')	Soluble	Solid	300.0	54269
880-28857-4	S-3 (0-0.25')	Soluble	Solid	300.0	54269
880-28857-5	S-4 (0-0.25')	Soluble	Solid	300.0	54269
880-28857-6	S-5 (0-0.25')	Soluble	Solid	300.0	54269
MB 880-54269/1-A	Method Blank	Soluble	Solid	300.0	54269
LCS 880-54269/2-A	Lab Control Sample	Soluble	Solid	300.0	54269
LCSD 880-54269/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54269
880-28857-6 MS	S-5 (0-0.25')	Soluble	Solid	300.0	54269
880-28857-6 MSD	S-5 (0-0.25')	Soluble	Solid	300.0	54269

Lab Chronicle

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-28857-1

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 11:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 10:23	CH	EET MID

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-28857-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 12:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54394	05/30/23 10:28	CH	EET MID

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-28857-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54394	05/30/23 10:34	CH	EET MID

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-28857-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	06/01/23 09:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-28857-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 13:42	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	54394	05/30/23 10:39	CH	EET MID

Client Sample ID: S-4 (0-0.25')

Lab Sample ID: 880-28857-5

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	06/01/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 14:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54394	05/30/23 10:44	CH	EET MID

Client Sample ID: S-5 (0-0.25')

Lab Sample ID: 880-28857-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54470	06/01/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			54355	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54394	05/30/23 10:50	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
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	T104704400-22-25	06-30-23

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28857-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28857-1	S-1 (0-0.25')	Solid	05/23/23 00:00	05/26/23 13:04
880-28857-2	S-2 (0-0.25')	Solid	05/23/23 00:00	05/26/23 13:04
880-28857-3	S-2 (0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28857-4	S-3 (0-0.25')	Solid	05/23/23 00:00	05/26/23 13:04
880-28857-5	S-4 (0-0.25')	Solid	05/23/23 00:00	05/26/23 13:04
880-28857-6	S-5 (0-0.25')	Solid	05/23/23 00:00	05/26/23 13:04

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

WC



880-28857 Chain of Custody

6/1/2023

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

Work Order Comments			
Program: UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC
State of Project:			
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP
Deliverables	EDD	<input type="checkbox"/> ADAPT	<input type="checkbox"/> Other

Project Name		Stratocaster 20 Fed 3&4 (4 01 23)		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number	2035	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush															None NO	DI Water H ₂ O		
Project Location	Lea County, New Mexico	Due Date	72 Hrs															Cool Cool	MeOH Me		
Sampler's Name	MM																	HCL HC	HNO ₃ HN		
PO #																		H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>													H ₃ PO ₄ HP			
Received Intact	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID																NaHSO ₄ NABIS			
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading																Zn Acetate+NaOH Zn			
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SABC			
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments	
S-1 (0-0.25')		5/23/2023		X		G	1	X	X	X											
S-2 (0-0.25')		5/23/2023		X		G	1	X	X	X											
S-2 (0.5')		5/23/2023		X		G	1	X	X	X											
S-3 (0-0.25')		5/23/2023		X		G	1	X	X	X											
S-4 (0-0.25')		5/23/2023		X		G	1	X	X	X											
S-5 (0-0.25')		5/23/2023		X		G	1	X	X	X											

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 10:40		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28857-1

SDG Number: Lea County, New Mexico

Login Number: 28857

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/31/2023 10:16:12 AM

JOB DESCRIPTION

Stratocaster 20 Fed 3&4 (4.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-28854-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/31/2023 10:16:12 AM

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

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Laboratory Job ID: 880-28854-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	18
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

Job ID: 880-28854-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-28854-1****Receipt**

The samples were received on 5/26/2023 1:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-28854-1), H-2 (0-0.5') (880-28854-2), H-3 (0-0.5') (880-28854-3), H-4 (0-0.5') (880-28854-4), H-5 (0-0.5') (880-28854-5) and H-6 (0-0.5') (880-28854-6).

GC VOA

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-54263 and analytical batch 880-54207. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: LCS biased high for benzene. Since the method only requires an LCS or LCSD to be acceptable, the data was qualified and reported. (LCS 880-54263/1-A)

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-54267 and analytical batch 880-54316 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54268 and analytical batch 880-54393 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-1

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/26/23 15:25	05/27/23 16:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 16:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/26/23 15:25	05/27/23 16:04	1
1,4-Difluorobenzene (Surr)	73		70 - 130	05/26/23 15:25	05/27/23 16:04	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			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	415		49.9		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/26/23 15:58	05/27/23 15:47	1
Diesel Range Organics (Over C10-C28)	300		49.9		mg/Kg		05/26/23 15:58	05/27/23 15:47	1
Oil Range Organics (Over C28-C36)	115		49.9		mg/Kg		05/26/23 15:58	05/27/23 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/26/23 15:58	05/27/23 15:47	1
o-Terphenyl	99		70 - 130	05/26/23 15:58	05/27/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4		4.98		mg/Kg			05/30/23 10:09	1

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

Lab Sample ID: 880-28854-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/26/23 15:25	05/27/23 16:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 16:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 16:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/26/23 15:25	05/27/23 16:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/26/23 15:25	05/27/23 16:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	220		49.8		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/26/23 15:58	05/27/23 16:32	1
Diesel Range Organics (Over C10-C28)	108		49.8		mg/Kg		05/26/23 15:58	05/27/23 16:32	1
Oil Range Organics (Over C28-C36)	112		49.8		mg/Kg		05/26/23 15:58	05/27/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/26/23 15:58	05/27/23 16:32	1
o-Terphenyl	102		70 - 130				05/26/23 15:58	05/27/23 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.9		4.99		mg/Kg			05/30/23 10:25	1

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

Lab Sample ID: 880-28854-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/26/23 15:25	05/27/23 16:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 16:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 16:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/23 15:25	05/27/23 16:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 16:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/23 15:25	05/27/23 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/26/23 15:25	05/27/23 16:45	1
1,4-Difluorobenzene (Surr)	115		70 - 130				05/26/23 15:25	05/27/23 16:45	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			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/26/23 15:58	05/27/23 16:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 15:58	05/27/23 16:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 15:58	05/27/23 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/26/23 15:58	05/27/23 16:55	1
o-Terphenyl	96		70 - 130				05/26/23 15:58	05/27/23 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.0		4.99		mg/Kg			05/30/23 10:30	1

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

Lab Sample ID: 880-28854-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/26/23 15:25	05/27/23 17:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 17:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 17:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/23 15:25	05/27/23 17:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:25	05/27/23 17:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/23 15:25	05/27/23 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				05/26/23 15:25	05/27/23 17:06	1
1,4-Difluorobenzene (Surr)	78		70 - 130				05/26/23 15:25	05/27/23 17:06	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			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 17:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/26/23 15:58	05/27/23 17:17	1
o-Terphenyl	101		70 - 130				05/26/23 15:58	05/27/23 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.00		mg/Kg			05/30/23 10:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-5

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/26/23 15:25	05/27/23 17:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:25	05/27/23 17:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:25	05/27/23 17:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/26/23 15:25	05/27/23 17:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:25	05/27/23 17:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/23 15:25	05/27/23 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/26/23 15:25	05/27/23 17:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/26/23 15:25	05/27/23 17:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/26/23 15:58	05/27/23 17:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 15:58	05/27/23 17:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 15:58	05/27/23 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/26/23 15:58	05/27/23 17:40	1
o-Terphenyl	98		70 - 130	05/26/23 15:58	05/27/23 17:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.01		mg/Kg			05/30/23 10:41	1

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

Lab Sample ID: 880-28854-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/26/23 15:25	05/27/23 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:25	05/27/23 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:25	05/27/23 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/26/23 15:25	05/27/23 17:47	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/26/23 15:25	05/27/23 17:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			05/30/23 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 18:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/26/23 15:58	05/27/23 18:03	1
o-Terphenyl	102		70 - 130				05/26/23 15:58	05/27/23 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		5.04		mg/Kg			05/30/23 10:46	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
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)
880-28743-A-5-D MS	Matrix Spike	114	109
880-28743-A-5-E MSD	Matrix Spike Duplicate	67 S1-	97
880-28854-1	H-1 (0-0.5')	100	73
880-28854-2	H-2 (0-0.5')	107	95
880-28854-3	H-3 (0-0.5')	111	115
880-28854-4	H-4 (0-0.5')	92	78
880-28854-5	H-5 (0-0.5')	112	93
880-28854-6	H-6 (0-0.5')	94	71
880-28876-A-1-A MS	Matrix Spike	105	103
880-28876-A-1-B MSD	Matrix Spike Duplicate	99	110
LCS 880-54263/1-A	Lab Control Sample	87	114
LCS 880-54365/1-A	Lab Control Sample	106	101
LCSD 880-54263/2-A	Lab Control Sample Dup	107	112
LCSD 880-54365/2-A	Lab Control Sample Dup	99	103
MB 880-54099/5-A	Method Blank	66 S1-	74
MB 880-54263/5-A	Method Blank	66 S1-	82
MB 880-54365/5-A	Method Blank	90	109
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)
880-28851-A-21-D MS	Matrix Spike	98	90
880-28851-A-21-E MSD	Matrix Spike Duplicate	97	90
880-28854-1	H-1 (0-0.5')	96	99
880-28854-2	H-2 (0-0.5')	97	102
880-28854-3	H-3 (0-0.5')	93	96
880-28854-4	H-4 (0-0.5')	100	101
880-28854-5	H-5 (0-0.5')	94	98
880-28854-6	H-6 (0-0.5')	96	102
LCS 880-54267/2-A	Lab Control Sample	84	91
LCSD 880-54267/3-A	Lab Control Sample Dup	100	106
MB 880-54267/1-A	Method Blank	203 S1+	223 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54099/5-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/23 15:37	05/26/23 21:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/23 15:37	05/26/23 21:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/23 15:37	05/26/23 21:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/23 15:37	05/26/23 21:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/23 15:37	05/26/23 21:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/23 15:37	05/26/23 21:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/24/23 15:37	05/26/23 21:44	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/24/23 15:37	05/26/23 21:44	1

Lab Sample ID: MB 880-54263/5-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:25	05/27/23 08:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:25	05/27/23 08:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:25	05/27/23 08:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/23 15:25	05/27/23 08:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:25	05/27/23 08:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/23 15:25	05/27/23 08:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/26/23 15:25	05/27/23 08:20	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/26/23 15:25	05/27/23 08:20	1

Lab Sample ID: LCS 880-54263/1-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1319	*+	mg/Kg		132	70 - 130
Toluene	0.100	0.09762		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.08723		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1692		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08550		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-54263/2-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1265		mg/Kg		127	70 - 130	4	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54263/2-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	6	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2115		mg/Kg		106	70 - 130	22	35
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130	23	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-28743-A-5-D MS

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U *+ F1 F2	0.101	0.1260		mg/Kg		125	70 - 130
Toluene	<0.00202	U F1 F2	0.101	0.1071		mg/Kg		106	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.1081		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.202	0.2268		mg/Kg		112	70 - 130
o-Xylene	<0.00202	U F1	0.101	0.1153		mg/Kg		114	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-28743-A-5-E MSD

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *+ F1 F2	0.0994	<0.00199	U F1 F2	mg/Kg		0.8	70 - 130	198	35
Toluene	<0.00202	U F1 F2	0.0994	<0.00199	U F1 F2	mg/Kg		0.5	70 - 130	198	35
Ethylbenzene	<0.00202	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00403	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00202	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-54365/5-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54365/5-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/30/23 09:40	05/30/23 11:30	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/30/23 09:40	05/30/23 11:30	1

Lab Sample ID: LCS 880-54365/1-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09839		mg/Kg		98	70 - 130
Toluene	0.100	0.09022		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08827		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09537		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-54365/2-A

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1284		mg/Kg		128	70 - 130	26	35
Toluene	0.100	0.1125		mg/Kg		113	70 - 130	22	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130	14	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28876-A-1-A MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.101	0.1210		mg/Kg		120	70 - 130
Toluene	<0.00201	U	0.101	0.1065		mg/Kg		106	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.1040		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2162		mg/Kg		107	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28876-A-1-A MS

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00201	U	0.101	0.1073		mg/Kg		106	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-28876-A-1-B MSD

Matrix: Solid

Analysis Batch: 54337

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1191		mg/Kg		120	70 - 130	2	35
Toluene	<0.00201	U	0.0996	0.09924		mg/Kg		100	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.0996	0.09310		mg/Kg		93	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1915		mg/Kg		96	70 - 130	12	35
o-Xylene	<0.00201	U	0.0996	0.09560		mg/Kg		96	70 - 130	12	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

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

Lab Sample ID: MB 880-54267/1-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54267

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		05/26/23 15:58	05/27/23 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 15:58	05/27/23 09:06	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	203	S1+	70 - 130				05/26/23 15:58	05/27/23 09:06	1
o-Terphenyl	223	S1+	70 - 130				05/26/23 15:58	05/27/23 09:06	1

Lab Sample ID: LCS 880-54267/2-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	817.4		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	831.8		mg/Kg		83	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-54267/2-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54267

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: LCSD 880-54267/3-A

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54267

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	839.2		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		100	70 - 130	19	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-28851-A-21-D MS

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54267

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	999	817.9		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	893.8		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-28851-A-21-E MSD

Matrix: Solid

Analysis Batch: 54316

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54267

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	999	831.4		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	879.5		mg/Kg		88	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	90		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54268/1-A

Matrix: Solid

Analysis Batch: 54393

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 09:05	1

Lab Sample ID: LCS 880-54268/2-A

Matrix: Solid

Analysis Batch: 54393

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-54268/3-A

Matrix: Solid

Analysis Batch: 54393

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	256.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-28852-A-1-C MS

Matrix: Solid

Analysis Batch: 54393

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	40.4	F1	248	259.6	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-28852-A-1-D MSD

Matrix: Solid

Analysis Batch: 54393

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	40.4	F1	248	259.3	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 54099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54099/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	8021B	54263
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	8021B	54263
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	8021B	54263
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	8021B	54263
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	8021B	54263
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	8021B	54263
MB 880-54099/5-A	Method Blank	Total/NA	Solid	8021B	54099
MB 880-54263/5-A	Method Blank	Total/NA	Solid	8021B	54263
LCS 880-54263/1-A	Lab Control Sample	Total/NA	Solid	8021B	54263
LCSD 880-54263/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54263
880-28743-A-5-D MS	Matrix Spike	Total/NA	Solid	8021B	54263
880-28743-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54263

Prep Batch: 54263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-54263/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54263/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54263/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28743-A-5-D MS	Matrix Spike	Total/NA	Solid	5035	
880-28743-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54365/5-A	Method Blank	Total/NA	Solid	8021B	54365
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	8021B	54365
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54365
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	54365
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54365

Prep Batch: 54365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54267/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54267/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54267/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28851-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28851-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54267
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54267
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54267
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54267
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	54267
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	54267
MB 880-54267/1-A	Method Blank	Total/NA	Solid	8015B NM	54267
LCS 880-54267/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54267
LCSD 880-54267/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54267
880-28851-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	54267
880-28851-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54267

Analysis Batch: 54424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28854-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28854-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28854-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-28854-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-28854-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28854-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28854-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28854-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-28854-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54268/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54268/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54268/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28852-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28852-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 54393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28854-1	H-1 (0-0.5')	Soluble	Solid	300.0	54268
880-28854-2	H-2 (0-0.5')	Soluble	Solid	300.0	54268
880-28854-3	H-3 (0-0.5')	Soluble	Solid	300.0	54268
880-28854-4	H-4 (0-0.5')	Soluble	Solid	300.0	54268
880-28854-5	H-5 (0-0.5')	Soluble	Solid	300.0	54268
880-28854-6	H-6 (0-0.5')	Soluble	Solid	300.0	54268
MB 880-54268/1-A	Method Blank	Soluble	Solid	300.0	54268
LCS 880-54268/2-A	Lab Control Sample	Soluble	Solid	300.0	54268
LCSD 880-54268/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54268
880-28852-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	54268
880-28852-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54268

Lab Chronicle

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-1

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 16:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:09	CH	EET MID

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

Lab Sample ID: 880-28854-2

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 16:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:25	CH	EET MID

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

Lab Sample ID: 880-28854-3

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 16:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 16:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:30	CH	EET MID

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

Lab Sample ID: 880-28854-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 17:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28854-4

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:35	CH	EET MID

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

Lab Sample ID: 880-28854-5

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 17:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 17:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:41	CH	EET MID

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

Lab Sample ID: 880-28854-6

Date Collected: 05/23/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54263	05/26/23 15:25	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54207	05/27/23 17:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54406	05/30/23 13:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54424	05/30/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54267	05/26/23 15:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54316	05/27/23 18:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 10:46	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
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	T104704400-22-25	06-30-23

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
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: Stratocaster 20 Fed 3&4 (4.01.23)

Job ID: 880-28854-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28854-1	H-1 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28854-2	H-2 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28854-3	H-3 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28854-4	H-4 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28854-5	H-5 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04
880-28854-6	H-6 (0-0.5')	Solid	05/23/23 00:00	05/26/23 13:04

1
2
3
4
5
6
7
8
9
10
11
12
13
14Work Order No: 28854Page 1 of 1

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

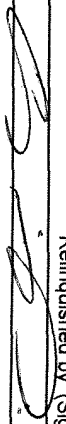
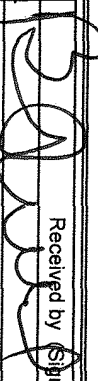
Project Name	Stratocaster 20 Fed 384 (4 01 23)	Turn Around	
Project Number	2035	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location	Lea County New Mexico	Due Date	72 Hrs
Sampler's Name	MM		
PO #			


SAMPLE RECEIPT	Tapp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	<input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID		
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor		
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading		
Total Containers		Corrected Temperature		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
H-1 (0-0.5')	5/23/2023		X		G	1	X	X	X								None NO	DI Water H ₂ O
H-2 (0-0.5')	5/23/2023		X		G	1	X	X	X								Cool Cool	MeOH Me
H-3 (0-0.5')	5/23/2023		X		G	1	X	X	X								HCL HC	HNO ₃ HN
H-4 (0-0.5')	5/23/2023		X		G	1	X	X	X								H ₂ SO ₄ H ₂	NaOH Na
H-5 (0-0.5')	5/23/2023		X		G	1	X	X	X								H ₃ PO ₄ HP	
H-6 (0-0.5')	5/23/2023		X		G	1	X	X	X								NaHSO ₄ NABIS	
																	Na ₂ S ₂ O ₃ NaSO ₃	
																	Zn Acetate+NaOH Zn	
																	NaOH+Ascorbic Acid SAPC	

Parameters		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
------------	--	------------	------------------------------	----------------

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/26 - 1:04pm		



880-2854 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28854-1

SDG Number: Lea County, New Mexico

Login Number: 28854

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 02, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: STRATOCASTER 20 FED 3 & 4 (4.01.23)

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 1 (1') (H234041-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (1') (H234041-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (1') (H234041-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (1') (H234041-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (1') (H234041-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (1') (H234041-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	85.3	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	75.6	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (1') (H234041-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (1') (H234041-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (1') (H234041-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 10 (1') (H234041-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (1') (H234041-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 (1') (H234041-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 13 (1') (H234041-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47		
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1') (H234041-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.00	100	2.00	1.47	
Toluene*	<0.050	0.050	08/02/2023	ND	1.93	96.3	2.00	0.918	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	1.98	99.2	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.03	101	6.00	0.992	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 2 (1') (H234041-15)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (1') (H234041-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 4 (1') (H234041-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (1') (H234041-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (1') (H234041-19)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (1') (H234041-20)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	206	103	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	222	111	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 08/01/2023
 Reported: 08/02/2023
 Project Name: STRATOCASTER 20 FED 3 & 4 (4.01.23)
 Project Number: 2035
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1') (H234041-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No:

11234041

Page 24 of 26

Work Order Comments									
Program:	UST/ST	<input type="checkbox"/> PRP	<input type="checkbox"/> Crownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Jperfund	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State of Project:									
Reporting Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	ST/UST	<input type="checkbox"/>	RRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:				

Project Name: Stratacaster 20 Fed 3&4 (4.01.23)				Turn Around		ANALYSIS REQUEST													Preservative Codes				
Project Number:	2035			<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H ₂ O			
Project Location	Lea County, New Mexico			Due Date:	24 Hrs													Cool: Cool	MeOH: Me				
Sampler's Name:	FV																	HCL: HC	HNO ₃ : HN				
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>														H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			Thermometer ID:	146																NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>			Correction Factor:	---																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>			Temperature Reading:	-4.6																Zn Acetate+NaOH: Zn		
Total Containers:				Corrected Temperature:	---																NaOH+Ascorbic Acid: SAPC		
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont														Sample Comments
CS-1 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-2 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-3 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-4 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-5 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-6 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-7 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-8 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-9 (1')				7/31/2023		X		Comp	1	X	X	X											
CS-10 (1')				7/31/2023		X		Comp	1	X	X	X											

Date/Time

Released to Imaging: 11/29/2023 3:17:41 PM

Work Order No.:

H33404

Work Order Comments									
Program:	USTR/ST	<input type="checkbox"/> PRP	<input type="checkbox"/> Crownfields	<input type="checkbox"/> RC	<input type="checkbox"/> \$	<input type="checkbox"/> pertund	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State of Project:									
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	AdApt	<input type="checkbox"/>	Other:				

ANALYSIS REQUEST										Preservative Codes					
Project Name:		Stratocaster 20 Fed 3&4 (4.01.23)		Turn Around		Pres. Code		None: NO		DI Water: H ₂ O					
Project Number:		2035		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush											
Project Location		Lea County, New Mexico		Due Date:		24 Hrs				Cool: Cool					
Sampler's Name:		FV								HCL: HC					
PO #:										H ₂ SO ₄ : H ₂					
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:				140		NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:						Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:				-4.6		Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:						NaOH+Ascorbic Acid: S APC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Sample Comments	
CS-11 (1')		7/31/2023				X		Comp		1		X		X	
CS-12 (1')		7/31/2023				X		Comp		1		X		X	
CS-13 (1')		7/31/2023				X		Comp		1		X		X	
SW-1 (1')		7/31/2023				X		Comp		1		X		X	
SW-2 (1')		7/31/2023				X		Comp		1		X		X	
SW-3 (1')		7/31/2023				X		Comp		1		X		X	
SW-4 (1')		7/31/2023				X		Comp		1		X		X	
SW-5 (1')		7/31/2023				X		Comp		1		X		X	
SW-6 (1')		7/31/2023				X		Comp		1		X		X	
SW-7 (1')		7/31/2023				X		Comp		1		X		X	

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

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

423 404

Page 3 of 3

Work Order Comments	
Program: UST/PT <input type="checkbox"/> RP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 03, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: STRATOCASTER 20 FED 3 & 4 (4.01.23)

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	STRATOCASTER 20 FED 3 & 4 (4.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2035	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 6 (1.25') (H234078-01)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642	
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: A234078

Page 1 of 1

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

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

Released to Imaging: 11/29/2023 3:17:41 PM



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 8/7/2023 2:45:44 PM

JOB DESCRIPTION

Stratocaster 20 Fed 3&4 (04.01.23)
SDG NUMBER Lea County New Mexico

JOB NUMBER

880-31663-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/7/2023 2:45:44 PM

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

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Laboratory Job ID: 880-31663-1
SDG: Lea County New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Job ID: 880-31663-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-31663-1**

Receipt

The samples were received on 8/3/2023 4:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-31663-1) and H-2 (0-0.5') (880-31663-2).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-31650-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-59298 and analytical batch 880-59294 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59354 and analytical batch 880-59405 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-59405/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-2 (0-0.5') (880-31663-2). 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59261 and analytical batch 880-59272 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 880-31663-1

Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

SDG: Lea County New Mexico

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

Lab Sample ID: 880-31663-1

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/04/23 08:27	08/04/23 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/04/23 08:27	08/04/23 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/04/23 08:27	08/04/23 14:28	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/04/23 08:27	08/04/23 14:28	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			08/04/23 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 05:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 05:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/04/23 15:42	08/07/23 05:34	1
o-Terphenyl	123		70 - 130	08/04/23 15:42	08/07/23 05:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5	F1	5.04		mg/Kg			08/04/23 00:43	1

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

Lab Sample ID: 880-31663-2

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/04/23 08:27	08/04/23 14:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 14:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/04/23 08:27	08/04/23 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/04/23 08:27	08/04/23 14:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/04/23 08:27	08/04/23 14:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-31663-2

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/04/23 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.3		49.5		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/04/23 15:42	08/07/23 05:55	1
Diesel Range Organics (Over C10-C28)	79.3		49.5		mg/Kg		08/04/23 15:42	08/07/23 05:55	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/04/23 15:42	08/07/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				08/04/23 15:42	08/07/23 05:55	1
o-Terphenyl	151	S1+	70 - 130				08/04/23 15:42	08/07/23 05:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		4.95		mg/Kg			08/04/23 00:58	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
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)
880-31650-A-1-A MS	Matrix Spike	112	121
880-31650-A-1-B MSD	Matrix Spike Duplicate	109	120
880-31663-1	H-1 (0-0.5')	88	82
880-31663-2	H-2 (0-0.5')	86	104
LCS 880-59298/1-A	Lab Control Sample	104	116
LCSD 880-59298/2-A	Lab Control Sample Dup	114	113
MB 880-59298/5-A	Method Blank	72	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31663-1	H-1 (0-0.5')	123	123
880-31663-2	H-2 (0-0.5')	151 S1+	151 S1+
880-31672-A-1-D MS	Matrix Spike	107	104
880-31672-A-1-E MSD	Matrix Spike Duplicate	107	105
LCS 880-59354/2-A	Lab Control Sample	101	115
LCSD 880-59354/3-A	Lab Control Sample Dup	104	117
MB 880-59354/1-A	Method Blank	121	134 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59298/5-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 12:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/04/23 08:27	08/04/23 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:27	08/04/23 12:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/04/23 08:27	08/04/23 12:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/04/23 08:27	08/04/23 12:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/04/23 08:27	08/04/23 12:44	1

Lab Sample ID: LCS 880-59298/1-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1358	*+	mg/Kg		136	70 - 130
Toluene	0.100	0.1145		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1169		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2504		mg/Kg		125	70 - 130
o-Xylene	0.100	0.1192		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-59298/2-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1462	*+	mg/Kg		146	70 - 130	7	35
Toluene	0.100	0.1242		mg/Kg		124	70 - 130	8	35
Ethylbenzene	0.100	0.1300		mg/Kg		130	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2605		mg/Kg		130	70 - 130	4	35
o-Xylene	0.100	0.1304		mg/Kg		130	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-31650-A-1-A MS

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *	0.101	0.1171		mg/Kg		116	70 - 130
Toluene	<0.00199	U	0.101	0.09609		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-31650-A-1-A MS

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.101	0.09887		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2048		mg/Kg		102	70 - 130
o-Xylene	<0.00199	U	0.101	0.09636		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 880-31650-A-1-B MSD

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59298

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *	0.0994	0.1162		mg/Kg		117	70 - 130	1	35
Toluene	<0.00199	U	0.0994	0.1036		mg/Kg		104	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.0994	0.1012		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2138		mg/Kg		108	70 - 130	4	35
o-Xylene	<0.00199	U	0.0994	0.1017		mg/Kg		102	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

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

Lab Sample ID: MB 880-59354/1-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	08/04/23 15:41	08/06/23 20:54	1
o-Terphenyl	134	S1+	70 - 130	08/04/23 15:41	08/06/23 20:54	1

Lab Sample ID: LCS 880-59354/2-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1152		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.5		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-59354/2-A
Matrix: Solid
Analysis Batch: 59405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59354

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-59354/3-A
Matrix: Solid
Analysis Batch: 59405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59354

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1161		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	938.6		mg/Kg		94	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-31672-A-1-D MS
Matrix: Solid
Analysis Batch: 59405

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 59354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	993	879.2		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	993	1007		mg/Kg		97	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-31672-A-1-E MSD
Matrix: Solid
Analysis Batch: 59405

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 59354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	993	864.8		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	993	1010		mg/Kg		97	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59261/1-A

Matrix: Solid

Analysis Batch: 59272

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/03/23 23:19	1

Lab Sample ID: LCS 880-59261/2-A

Matrix: Solid

Analysis Batch: 59272

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-59261/3-A

Matrix: Solid

Analysis Batch: 59272

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	242.4		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-31663-1 MS

Matrix: Solid

Analysis Batch: 59272

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54.5	F1	252	277.3	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-31663-1 MSD

Matrix: Solid

Analysis Batch: 59272

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54.5	F1	252	277.1	F1	mg/Kg		88	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 59294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	8021B	59298
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	8021B	59298
MB 880-59298/5-A	Method Blank	Total/NA	Solid	8021B	59298
LCS 880-59298/1-A	Lab Control Sample	Total/NA	Solid	8021B	59298
LCSD 880-59298/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59298
880-31650-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	59298
880-31650-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59298

Prep Batch: 59298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-59298/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59298/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59298/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31650-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-31650-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	59354
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015B NM	59354
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59354
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59354
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	59354
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59354

Analysis Batch: 59547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-31663-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

HPLC/IC

Leach Batch: 59261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31663-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-59261/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59261/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59261/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31663-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31663-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 59272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31663-1	H-1 (0-0.5')	Soluble	Solid	300.0	59261
880-31663-2	H-2 (0-0.5')	Soluble	Solid	300.0	59261
MB 880-59261/1-A	Method Blank	Soluble	Solid	300.0	59261
LCS 880-59261/2-A	Lab Control Sample	Soluble	Solid	300.0	59261
LCSD 880-59261/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59261
880-31663-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	59261
880-31663-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	59261

Lab Chronicle

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 08/03/23 00:00
Date Received: 08/03/23 16:09

Lab Sample ID: 880-31663-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59298	08/04/23 08:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/04/23 14:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59371	08/04/23 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			59547	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 05:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59261	08/03/23 17:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59272	08/04/23 00:43	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 08/03/23 00:00
Date Received: 08/03/23 16:09

Lab Sample ID: 880-31663-2
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	59298	08/04/23 08:27	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/04/23 14:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59371	08/04/23 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			59547	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 05:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	59261	08/03/23 17:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59272	08/04/23 00:58	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: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

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

Method Summary

Client: Carmona Resources

Job ID: 880-31663-1

Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Stratocaster 20 Fed 3&4 (04.01.23)

Job ID: 880-31663-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31663-1	H-1 (0-0.5')	Solid	08/03/23 00:00	08/03/23 16:09
880-31663-2	H-2 (0-0.5')	Solid	08/03/23 00:00	08/03/23 16:09

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

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31663-1
SDG Number: Lea County New Mexico

Login Number: 31663

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 252100

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 252100
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/29/2023