



SITE INFORMATION

Closure Report
Azores Federal Com 708H (08.21.2023)
Incident #: NAPP2326930743
Lea County, New Mexico
Unit M Sec 29 T24S R32E
32.1836°, -103.7013°

Water Based Mud Release
Point of Release: Expansion Joint
Release Date: 08.21.2023
Volume Released: 43.37 Barrels of Water Based Mud
Volume Recovered: 0 Barrels of Water Based Mud

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



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 AND FINAL C-141/NMOC D CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

November 17, 2023

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

Re: Closure Report
Azores Federal Com 708H (08.21.2023)
Concho Operating, LLC
Site Location: Unit M, S29, T24S, R32E
(Lat 32.1836°, Long -103.7013°)
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 Azores Federal Com 708H (08.21.2023). The site is located at 32.1836°, -103.7013° within Unit M, S29, T24S, R32E, 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 August 21, 2023, caused by a failed expansion joint resulting in the release of water-based mud. It resulted in approximately forty-three point three seven (43.37) barrels of water-based mud and zero (0) barrels of water-based mud were recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.62 miles Southeast of the site in S33, T24S, R32E and was drilled in 2021. The well has a reported depth to groundwater of 314 feet below the ground surface (ft bgs). A copy of the associated point of diversion summary report is attached in Appendix D.

On February 9, 2021, a third party was onsite to drill a groundwater determination bore to 105' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 105' below the surface. The coordinates for the groundwater determination bore are 32.18139°, -103.6989°. See Appendix D for the driller's log.

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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Site Assessment Activities

Initial Assessment

On October 21, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and seven (7) horizontal sample points (H-1 through H-7) were installed to total depths ranging from surface to 1.5' bgs inside and around the perimeter of 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.

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 NMOCD division office was notified via email on November 2, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of fourteen (14) confirmation floor samples were collected (CS-1 through CS-14), and fourteen (14) sidewall samples (SW-1 through SW-14) 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 160 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

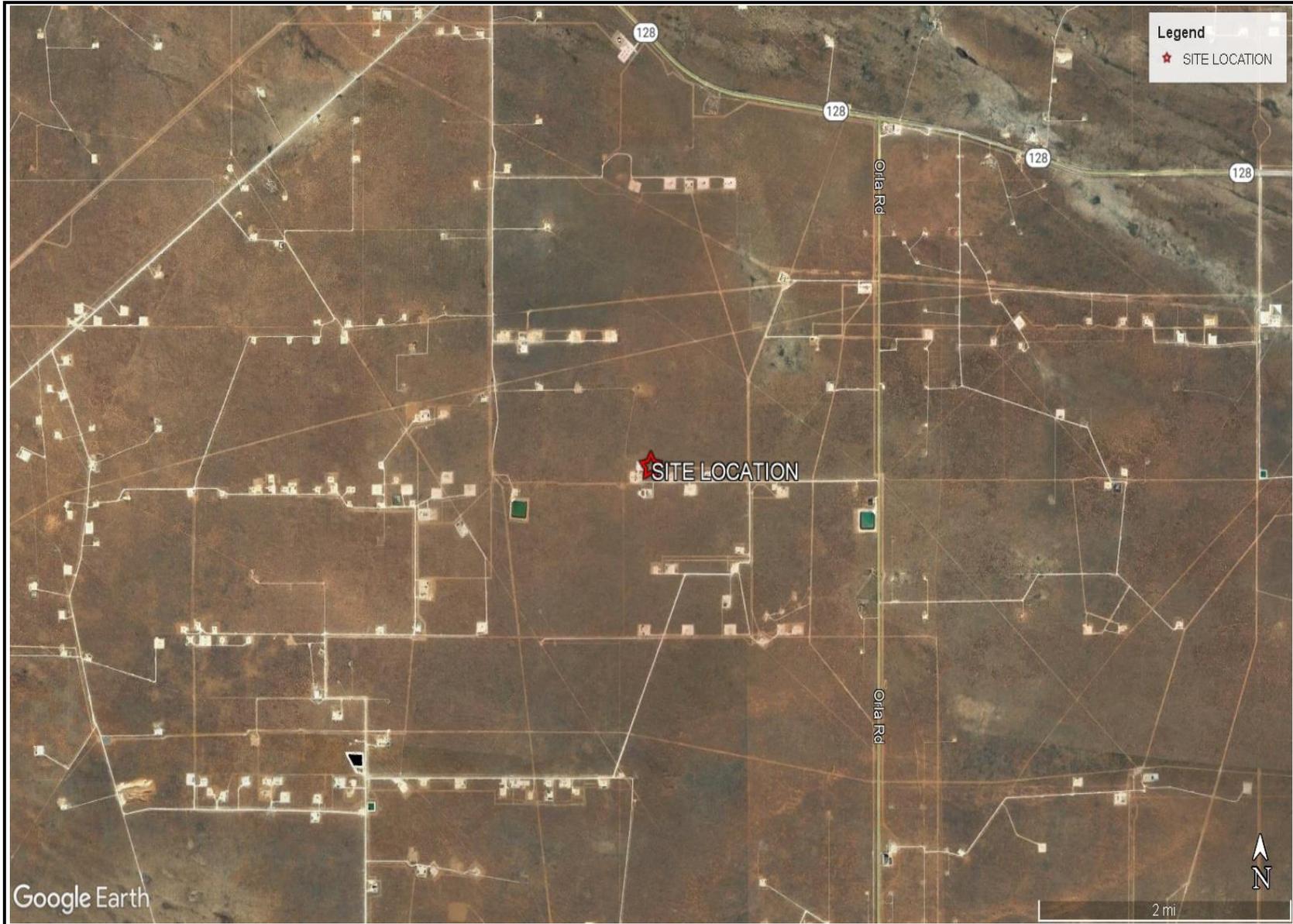
Conner Moehring
Sr. Project Manager

Ashton Thielke
Sr. Project Manager

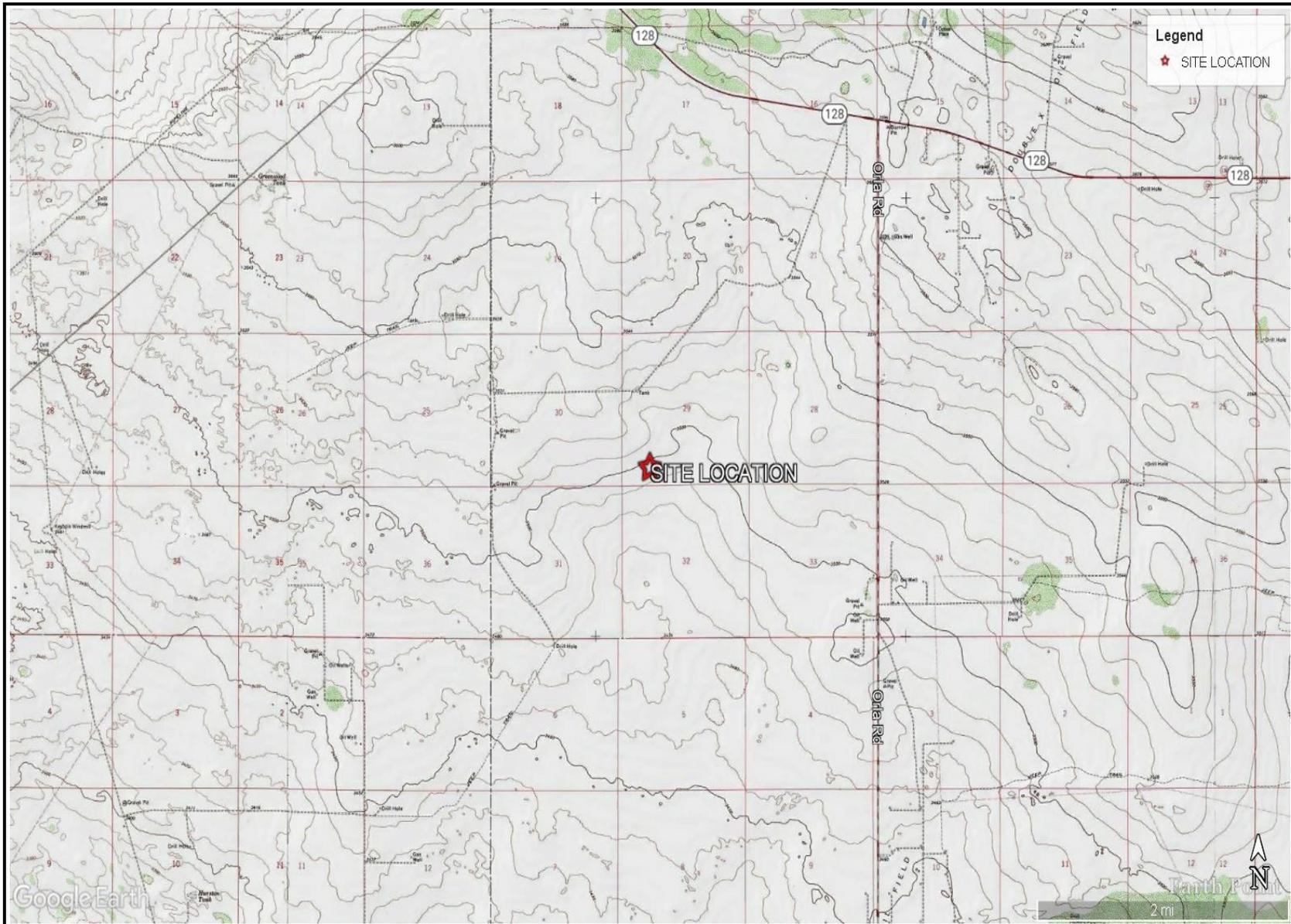
FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP COG OPERATING, LLC AZORES FEDERAL COM 708H (08.21.23) LEA COUNTY, NEW MEXICO 32.1836°, -103.7013°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
---------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------



TOPOGRAPHIC MAP
COG OPERATING, LLC
AZORES FEDERAL COM 708H (08.21.23)
LEA COUNTY, NEW MEXICO
32.1836°, -103.7013°



FIGURE 2

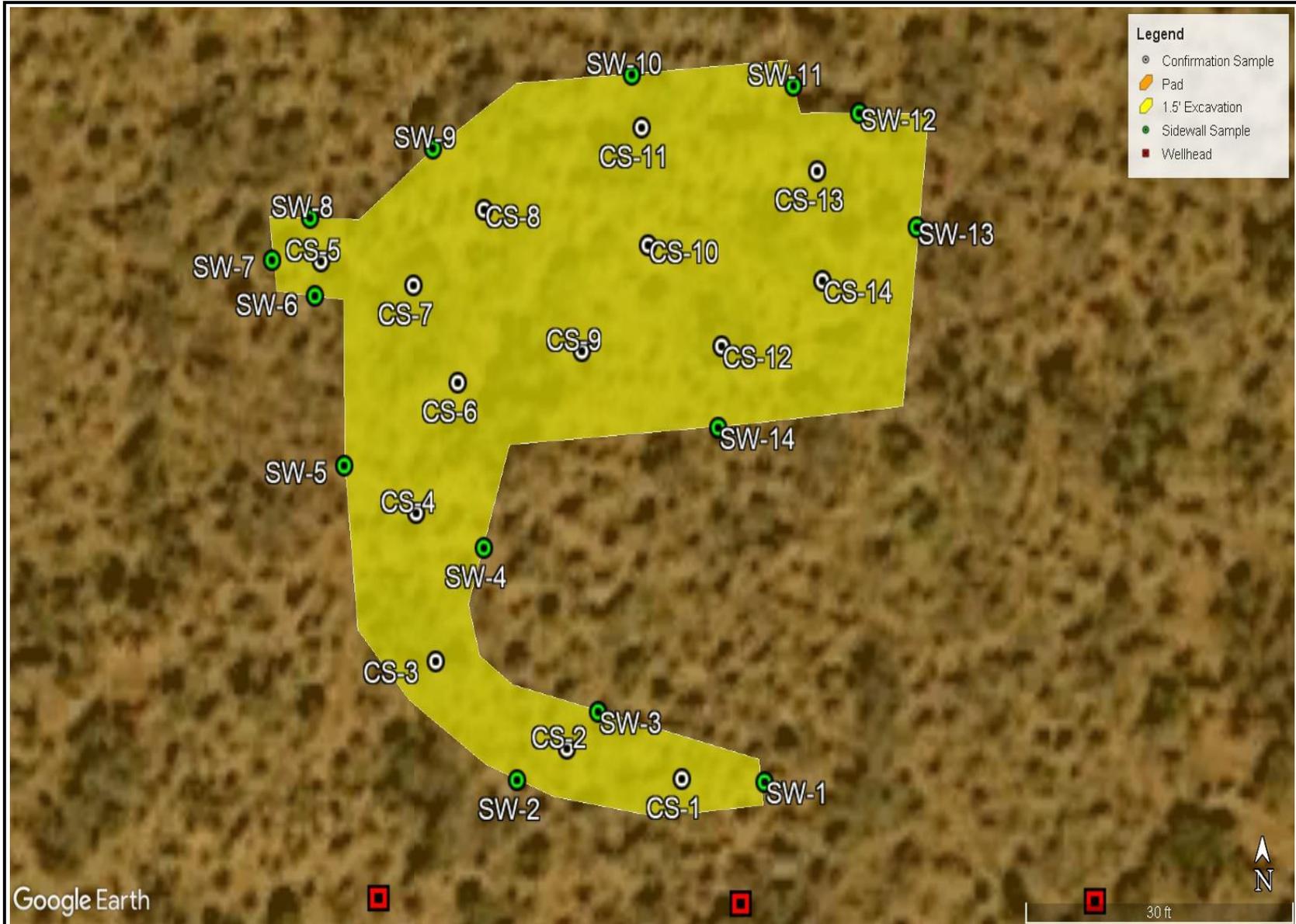


Google Earth

SAMPLE LOCATION MAP
COG OPERATING, LLC
AZORES FEDERAL COM 708H (08.21.23)
LEA COUNTY, NEW MEXICO
32.1836°, -103.7013°



FIGURE 3



<p>EXCAVATION MAP COG OPERATING, LLC AZORES FEDERAL COM 708H (08.21.23) LEA COUNTY, NEW MEXICO 32.1836°, -103.7013°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
-----------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	-----------------

APPENDIX A

CARMONA RESOURCES



**Table 1
Conoco Phillips
Azores Federal Com 708H (08.21.23)
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	10/21/2023	0-1	<250	8,870	<250	8,870	<0.0198	<0.0198	<0.0198	<0.0397	<0.201	3,270
	"	1.5	<49.6	94.7	<49.6	94.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	457
S-2	10/21/2023	0-1	<49.6	6,520	<49.6	6,520	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,420
	"	1.5	<50.4	82.2	<50.4	82.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	322
S-3	10/21/2023	0-1	<50.5	6,590	<50.5	6,590	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,130
	"	1.5	<50.0	125	<50.0	125	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	397
H-1	10/21/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.9
H-2	10/21/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.6
H-3	10/21/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.7
H-4	10/21/2023	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.9
H-5	10/21/2023	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.6
H-6	10/21/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
H-7	10/21/2023	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	40.9
<i>Regulatory Criteria^A</i>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Points

(H) Horizontal Sample

Removed

**Table 2
COG Operating
Azores Federal Com 708H (08.21.23)
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	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-2	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-8	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-9	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-11	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-12	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-13	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-14	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<i>Regulatory Criteria^A</i>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

**Table 2
COG Operating
Azores Federal Com 708H (08.21.23)
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						
SW-1	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-9	11/7/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	11/7/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<16.0
SW-11	11/7/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<16.0
SW-12	11/7/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<16.0
SW-13	11/7/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<16.0
SW-14	11/7/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<16.0
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Azores Federal Com 708H
(08.21.2023)

County: Lea County, New Mexico

Description:
View Southeast of CS-1 through CS-14.



Photograph No. 2

Facility: Azores Federal Com 708H
(08.21.2023)

County: Lea County, New Mexico

Description:
View South of CS-1 through CS-3, and CS-9 through CS-14.



Photograph No. 3

Facility: Azores Federal Com 708H
(08.21.2023)

County: Lea County, New Mexico

Description:
View West of CS-5 through CS-14.



PHOTOGRAPHIC LOG

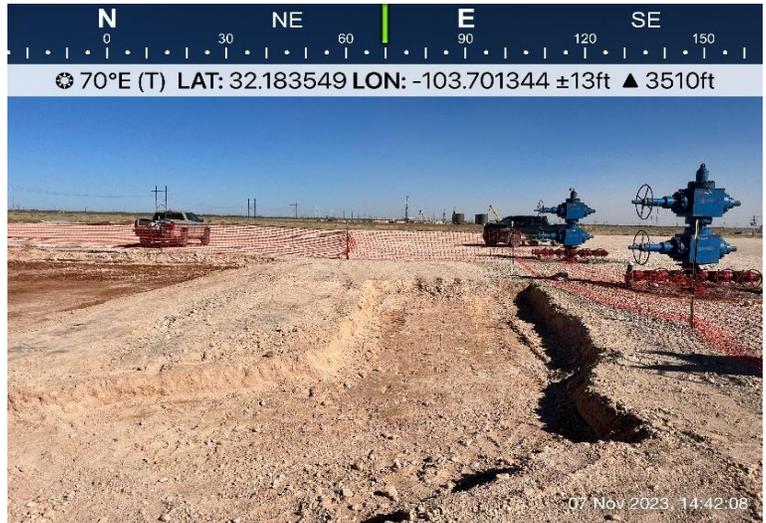
Concho Operating, LLC

Photograph No. 4

Facility: Azores Federal Com 708H
(08.21.2023)

County: Lea County, New Mexico

Description:
View East of CS-1 through CS-4.



Photograph No. 5

Facility: Azores Federal Com 708H
(08.21.2023)

County: Lea County, New Mexico

Description:
View East of CS-1 through CS-4, and CS-6 through CS-14.



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

State of New Mexico
Oil Conservation Division

Page 2

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>Patricia Espinoza</u> _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

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.

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: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/20/2023

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: Justin Carlile Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/20/2023

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: 03/11/2024
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Good afternoon 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
Environmental Bureau
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: Thursday, November 2, 2023 3:45 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>; Carlile, Justin <Justin.Carlile@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: [EXTERNAL] COG - Azores Fed Com 708H (08.21.23) - Sampling Notification

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

Good Afternoon,

This email is a notification for confirmation sampling for the COG – Azores Fed Com 708H (08.21.23). Sampling is scheduled to begin on Tuesday, November 7th, around 8:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

NAPP2326930743

Please call if you have any questions.

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

Cmoehring@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES

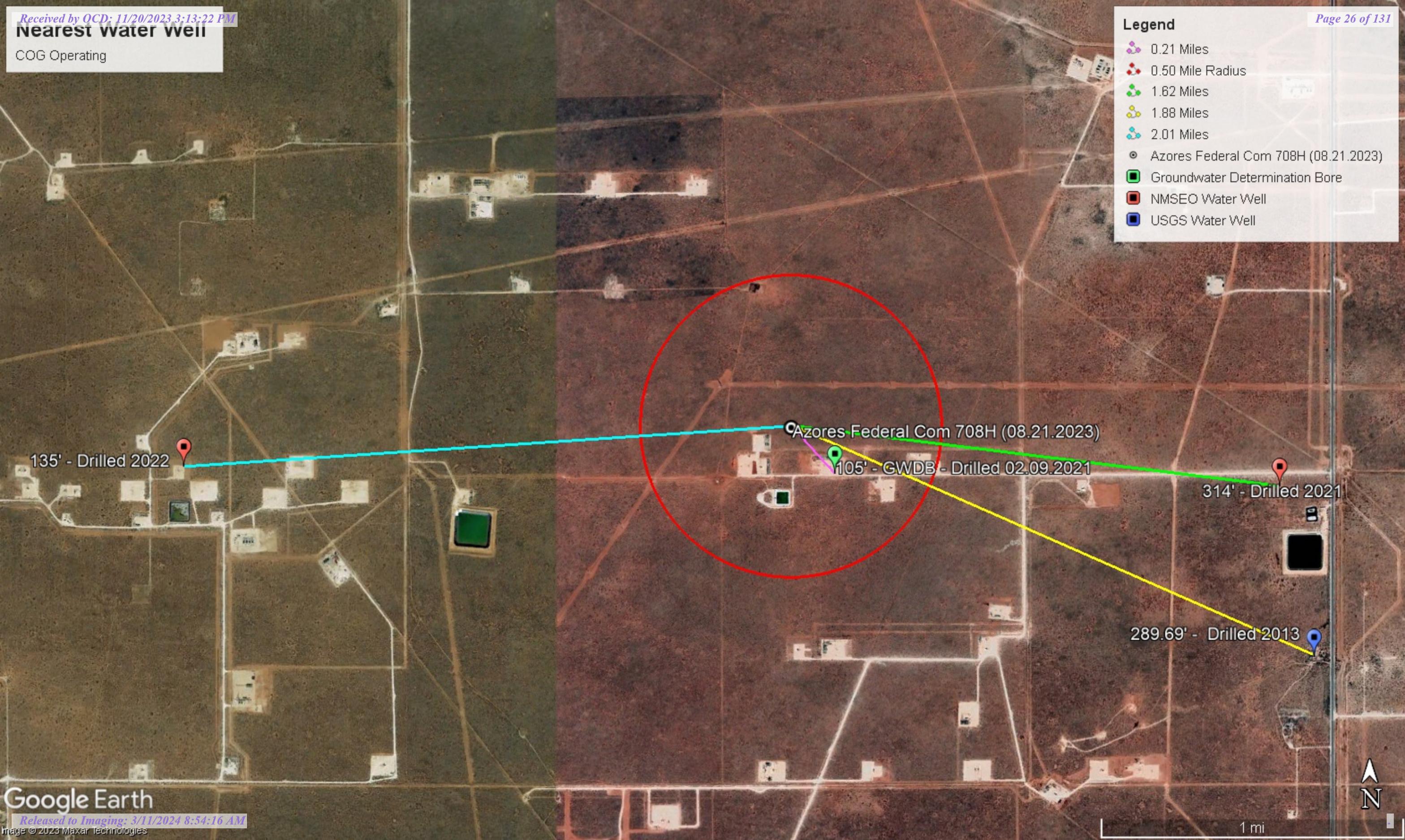


Nearest water well

COG Operating

Legend

-  0.21 Miles
-  0.50 Mile Radius
-  1.62 Miles
-  1.88 Miles
-  2.01 Miles
-  Azores Federal Com 708H (08.21.2023)
-  Groundwater Determination Bore
-  NMSEO Water Well
-  USGS Water Well



135' - Drilled 2022

Azores Federal Com 708H (08.21.2023)

105' - GWDB - Drilled 02.09.2021

314' - Drilled 2021

289.69' - Drilled 2013



Low Karst

COG Operating

Legend

-  Azores Federal Com 708H (08.21.2023)
-  Low

Azores Federal Com 708H (08.21.2023)

2 mi





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 04665	CUB	LE		1	1	2	30	24S	32E	621350	3562798	1668	120		
C 04722 POD2	CUB	LE		2	1	1	06	25S	32E	620808	3559499	2593	55		
C 04536 POD1	C	LE		1	2	2	33	24S	32E	625019	3561244	2606	500	314	186
C 04654 POD1	CUB	ED		3	3	4	25	24S	31E	619764	3561226	2680	55		
C 04636 POD1	CUB	ED		3	4	3	25	24S	31E	619200	3561279	3237			
C 04643 POD1	C	ED		4	2	2	05	23S	27E	619200	3561279	3237	305	135	170
C 04620 POD1	CUB	LE		4	3	4	06	25S	32E	621445	3558018	3641	55		

Average Depth to Water: **224 feet**
 Minimum Depth: **135 feet**
 Maximum Depth: **314 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 622428

Northing (Y): 3561525

Radius: 4000

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.



WSP USA
 508 West Stevens Street
 Carlsbad, New Mexico 88220

BH or PH Name: BH01

Date: 2-9-2021

Site Name: Azores Fed #4H

RP or Incident Number: NAPP2124346388

WSP Job Number: 31402909.130

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: *EL*

Method: ~~Hollow Stem~~ *Air Rotary*

Lat/Long: 32.18139, -103.6989

Field Screening: N/A

Hole Diameter: 6"

Total Depth: *165'*

Comments:

Depth to water boring, Lithology Remarks Only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						1	<i>SM</i>	<i>Soft, F grain 15% L</i> SAND, Fine - medium grain, silty, poorly graded, dry, Reddish Brown, Abundant caliche gravel, Trace clay, Low plasticity, cohesive. No stain, No odor
					2			
					3			
					4			
					5			
					6			
					7		<i>SAA/But + trace caliche gravel (same as above)</i>	
					8			
					9			
					10			<i>SAA/But color change to light brown,</i>
					11			
					12			
					13			
					14			
					15			<i>SAA</i>
					16			
					17			
					18			
					19			
					20			<i>SAA</i>
					21			
					22			
					23			
					24			
					25			<i>SAA But Abundant Caliche</i>



WSP USA
 508 West Stevens Street
 Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:	Field Screening:	Hole Diameter:	Method:
Logged By:		Total Depth:	

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						26	SM	
						27		
						28		
						29		Low plasticity, ↓ Cohesive
						30		
						31	SC	SAA/But, <u>some</u> clay, Reddish brown color. No silt present
						32		
						33		
						34		
						35		- SAA/But trace caliche gravel present.
						36		
						37		
						38		
						39		
						40		- SAA/But Abundant gypsum crystals present.
						41		
						42		
						43		
						44		
						45		- SAA/But only Fine grain sand, Trace gypsum crystals present.
						46		
						47		(possible mottling)
						48		Sharp transition to clayey
						49		1 Sand: Fine grain, No caliche
						50		- gravel present, grayish color



WSP USA
 508 West Stevens Street
 Carlsbad, New Mexico 88220

BH or PH Name	Date
Site Name:	
RP or Incident Number:	
WSP Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:	Field Screening:	Hole Diameter:	Total Depth:
Logged By:		Method:	

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						51	SC	
						52		
						53		
						54		Dry Low plasticity, cohesive
						55		↓
						56		SAND, clayey, Fine grain, poorly graded
						57		Reddish brown, gray colored
						58		Sand also present (mottling), Trace gypsum crystals
						59		
						60		SAA
						61		
						62		
						63		
						64		
						65		SAA
						66		
						67		
						68		
						69		clayey Reddish brown
						70		SAND, Fine grain, Dry, poorly graded,
						71		Abundant clay, Low plasticity,
						72		Cohesive, Abundant gypsum
						73		crystals
						74		
						75		SAA



WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:	Field Screening:	Hole Diameter:	Method:
			Total Depth:

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						76	SC	Low plasticity, cohesive SAND, clayey, Fine grain, Dry, poorly graded, Reddish Brown, Abundant gypsum crystals.
						77		
						78		
						79		
						80		
						81		
						82		
						83		
						84		
						85		
						86	SM	SAA But some clay, low plasticity, non-cohesive. Not clayey sand.
						87		
						88		
						89		
						90	SAA	
						91		
						92		
						93		
						94		
						95	SAA	
						96		
						97		
						98		Clayey SAND, Fine grain, poorly graded, Abundant clay, low plasticity, cohesive. Trace
						99		Gypsum crystals.
						100	SC	



WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:	Field Screening:	Hole Diameter:	Method:
		Total Depth:	

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						101	SC	<p>SAA But Abundant gypsum Crystals</p> <p>Total Depth 105', @ 11:30</p> <p><i>[Signature]</i></p>
						102		
						103		
						104		
						105		
						106		
						107		
						108		
						109		
						110		
						111		
						112		
						113		
						114		
						115		
						116		
						117		
						118		
						119		
						120		
						121		
						122		
						123		
						124		
						125		



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
20E37	C 04536 POD1	1	2	2	33	24S	32E	625019	3561244

Driller License: 1706	Driller Company: ELITE DRILLERS CORPORATION	
Driller Name: BRYCE WALLACE		
Drill Start Date: 06/09/2021	Drill Finish Date: 06/10/2021	Plug Date:
Log File Date: 06/21/2021	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 4 GPM
Casing Size: 4.30	Depth Well: 500 feet	Depth Water: 314 feet

Water Bearing Stratifications:	Top	Bottom	Description
	235	480	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	300	500

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.

6/22/23 7:55 AM

POINT OF DIVERSION SUMMARY



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321005103402301

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

USGS 321005103402301 24S.32E.33.42241

Lea County, New Mexico
 Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
 Land-surface elevation 3,499.00 feet above NGVD29
 The depth of the well is 367 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1959-02-18			D 62610		3185.60	NGVD29	1		Z	
1959-02-18			D 62611		3187.32	NAVD88	1		Z	
1959-02-18			D 72019	313.40			1		Z	
1981-06-12			D 62610		3194.60	NGVD29	1		Z	
1981-06-12			D 62611		3196.32	NAVD88	1		Z	
1981-06-12			D 72019	304.40			1		Z	
1986-03-11			D 62610		3193.79	NGVD29	1		Z	
1986-03-11			D 62611		3195.51	NAVD88	1		Z	
1986-03-11			D 72019	305.21			1		Z	
1991-05-29			D 62610		3211.55	NGVD29	1		Z	
1991-05-29			D 62611		3213.27	NAVD88	1		Z	
1991-05-29			D 72019	287.45			1		Z	
1996-03-14			D 62610		3213.60	NGVD29	1		S	
1996-03-14			D 62611		3215.32	NAVD88	1		S	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur	
1996-03-14			D	72019	285.40				1	S	
2001-02-27			D	62610		3210.32	NGVD29		1	S	
2001-02-27			D	62611		3212.04	NAVD88		1	S	
2001-02-27			D	72019	288.68				1	S	
2013-01-17	16:30 UTC		m	62610		3209.31	NGVD29		1	S	USGS
2013-01-17	16:30 UTC		m	62611		3211.03	NAVD88		1	S	USGS
2013-01-17	16:30 UTC		m	72019	289.69				1	S	USGS

Explanation

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

- [Questions or Comments](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
- [News](#)

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2023-06-22 10:00:03 EDT

0.29 0.25 nadww01



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
21068	C 04643 POD1	4	2	2	05	23S	27E	619200	3561279

Driller License: 1755	Driller Company: HUNGRY HORSE, LLC.	
Driller Name: JOHN NORRIS		
Drill Start Date: 06/06/2022	Drill Finish Date: 06/20/2022	Plug Date:
Log File Date: 08/19/2022	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 0 GPM
Casing Size: 6.00	Depth Well: 305 feet	Depth Water: 135 feet

Water Bearing Stratifications:	Top	Bottom	Description
	110	140	Sandstone/Gravel/Conglomerate
	140	160	Shale/Mudstone/Siltstone
	220	275	Shale/Mudstone/Siltstone

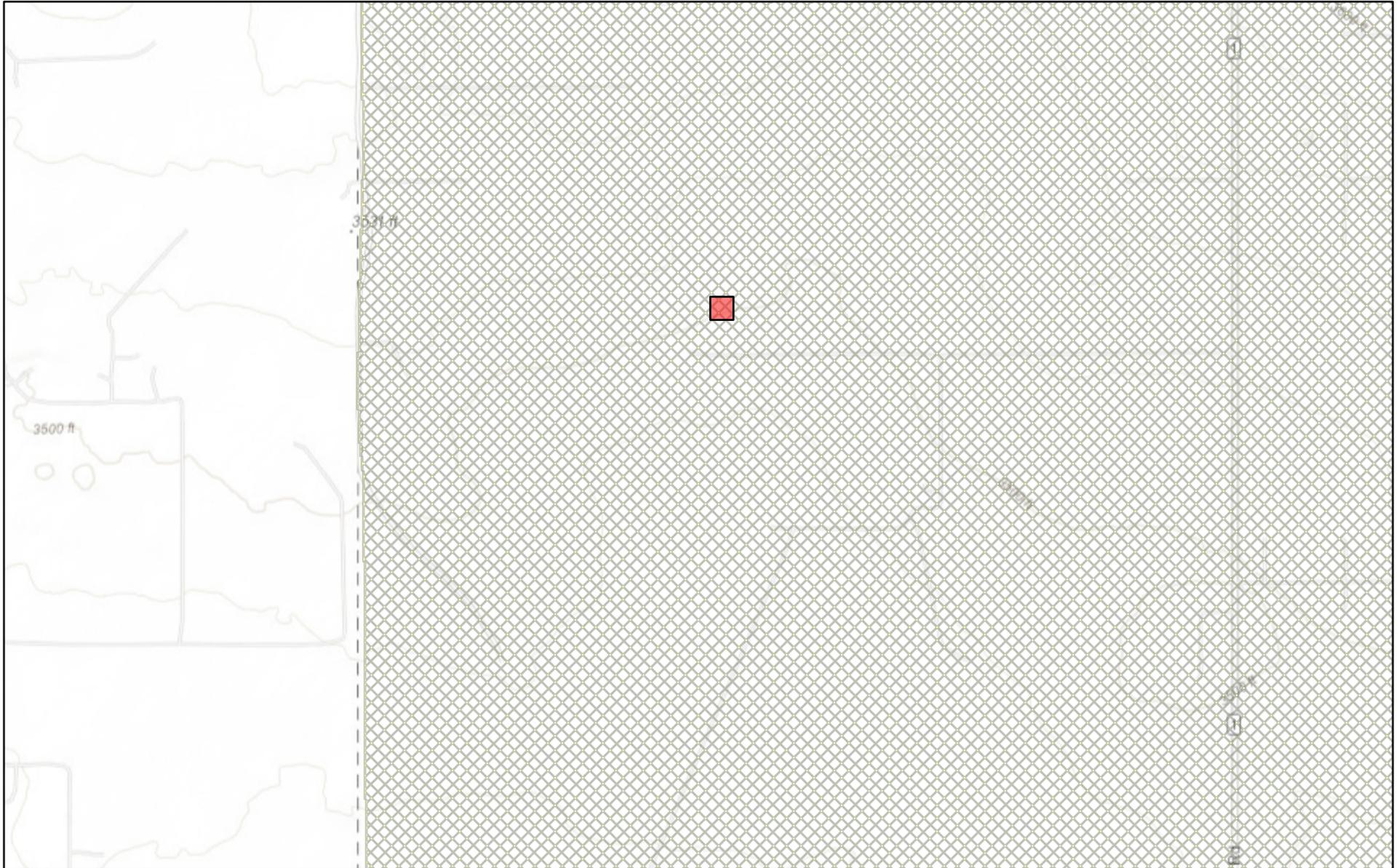
Casing Perforations:	Top	Bottom
	225	305

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.

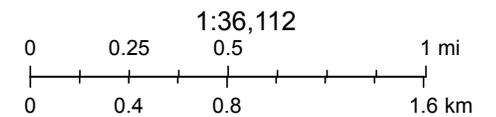
6/22/23 7:56 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



September 27, 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 10/27/2023 12:53:37 PM

JOB DESCRIPTION

Azores Federal Com 708H (08.21.23)
 SDG NUMBER Lea County New Mexico

JOB NUMBER

880-34805-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/27/2023 12:53:37 PM

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

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Laboratory Job ID: 880-34805-1
SDG: Lea County New Mexico

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	12
QC Sample Results	13
QC Association Summary	19
Lab Chronicle	22
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

Definitions/Glossary

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
SDG: Lea County New Mexico

Job ID: 880-34805-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-34805-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 10/24/2023 11:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.3°C

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-65466 and analytical batch 880-65514 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-65594/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-34805-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-65594 and analytical batch 880-65592 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-1 (0-1') (880-34805-1). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65544 and analytical batch 880-65503 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-65544/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-34805-1), S-1 (1.5') (880-34805-2), S-2 (0-1') (880-34805-3), S-2 (1.5') (880-34805-4), S-3 (0-1') (880-34805-5), S-3 (1.5') (880-34805-6), (880-34797-A-9-A), (880-34797-A-9-B MS) and (880-34797-A-9-C MSD). 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

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

Case Narrative

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
SDG: Lea County New Mexico

Job ID: 880-34805-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34805-1

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0198	U	0.0198		mg/Kg		10/26/23 08:27	10/26/23 19:09	10
Toluene	<0.0198	U	0.0198		mg/Kg		10/26/23 08:27	10/26/23 19:09	10
Ethylbenzene	<0.0198	U	0.0198		mg/Kg		10/26/23 08:27	10/26/23 19:09	10
m-Xylene & p-Xylene	<0.0397	U	0.0397		mg/Kg		10/26/23 08:27	10/26/23 19:09	10
o-Xylene	<0.0198	U	0.0198		mg/Kg		10/26/23 08:27	10/26/23 19:09	10
Xylenes, Total	<0.0397	U	0.0397		mg/Kg		10/26/23 08:27	10/26/23 19:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	10/26/23 08:27	10/26/23 19:09	10
1,4-Difluorobenzene (Surr)	117		70 - 130	10/26/23 08:27	10/26/23 19:09	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.201	U	0.201		mg/Kg			10/25/23 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8870		250		mg/Kg			10/26/23 06:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U	250		mg/Kg		10/25/23 10:31	10/26/23 06:20	5
Diesel Range Organics (Over C10-C28)	8870		250		mg/Kg		10/25/23 10:31	10/26/23 06:20	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		10/25/23 10:31	10/26/23 06:20	5
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	148	S1+	70 - 130	10/25/23 10:31	10/26/23 06:20	5			
o-Terphenyl	175	S1+	70 - 130	10/25/23 10:31	10/26/23 06:20	5			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3270		24.9		mg/Kg			10/25/23 21:34	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-34805-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:30	10/25/23 17:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/23 14:30	10/25/23 17:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/23 14:30	10/25/23 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/24/23 14:30	10/25/23 17:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/24/23 14:30	10/25/23 17:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-34805-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			10/25/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.7		49.6		mg/Kg			10/25/23 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/25/23 10:31	10/25/23 16:15	1
Diesel Range Organics (Over C10-C28)	94.7		49.6		mg/Kg		10/25/23 10:31	10/25/23 16:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/25/23 10:31	10/25/23 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				10/25/23 10:31	10/25/23 16:15	1
o-Terphenyl	136	S1+	70 - 130				10/25/23 10:31	10/25/23 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		4.97		mg/Kg			10/25/23 16:12	1

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

Lab Sample ID: 880-34805-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:30	10/25/23 17:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 17:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 17:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/24/23 14:30	10/25/23 17:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 17:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/24/23 14:30	10/25/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/24/23 14:30	10/25/23 17:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/24/23 14:30	10/25/23 17:32	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			10/25/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6520		49.6		mg/Kg			10/25/23 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/25/23 10:31	10/25/23 14:47	1
Diesel Range Organics (Over C10-C28)	6520		49.6		mg/Kg		10/25/23 10:31	10/25/23 14:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34805-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/25/23 10:31	10/25/23 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				10/25/23 10:31	10/25/23 14:47	1
o-Terphenyl	138	S1+	70 - 130				10/25/23 10:31	10/25/23 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3420		24.9		mg/Kg			10/25/23 16:18	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-34805-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:30	10/25/23 17:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/23 14:30	10/25/23 17:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:30	10/25/23 17:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/23 14:30	10/25/23 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/24/23 14:30	10/25/23 17:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/24/23 14:30	10/25/23 17:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/25/23 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.2		50.4		mg/Kg			10/25/23 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/25/23 10:31	10/25/23 16:37	1
Diesel Range Organics (Over C10-C28)	82.2		50.4		mg/Kg		10/25/23 10:31	10/25/23 16:37	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/25/23 10:31	10/25/23 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				10/25/23 10:31	10/25/23 16:37	1
o-Terphenyl	132	S1+	70 - 130				10/25/23 10:31	10/25/23 16:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		5.03		mg/Kg			10/25/23 16:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34805-5

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:30	10/25/23 18:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:30	10/25/23 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:30	10/25/23 18:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/23 14:30	10/25/23 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:30	10/25/23 18:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/23 14:30	10/25/23 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/24/23 14:30	10/25/23 18:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/24/23 14:30	10/25/23 18:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/23 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6590		50.5		mg/Kg			10/25/23 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/25/23 10:31	10/25/23 15:53	1
Diesel Range Organics (Over C10-C28)	6590		50.5		mg/Kg		10/25/23 10:31	10/25/23 15:53	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/25/23 10:31	10/25/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	151	S1+	70 - 130	10/25/23 10:31	10/25/23 15:53	1			
o-Terphenyl	141	S1+	70 - 130	10/25/23 10:31	10/25/23 15:53	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3130		24.8		mg/Kg			10/25/23 16:30	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34805-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:30	10/25/23 18:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:30	10/25/23 18:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:30	10/25/23 18:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/24/23 14:30	10/25/23 18:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:30	10/25/23 18:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/24/23 14:30	10/25/23 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/24/23 14:30	10/25/23 18:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/24/23 14:30	10/25/23 18:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34805-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			10/25/23 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125		50.0		mg/Kg			10/25/23 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/25/23 10:31	10/25/23 16:59	1
Diesel Range Organics (Over C10-C28)	125		50.0		mg/Kg		10/25/23 10:31	10/25/23 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/25/23 10:31	10/25/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130				10/25/23 10:31	10/25/23 16:59	1
o-Terphenyl	156	S1+	70 - 130				10/25/23 10:31	10/25/23 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397		4.99		mg/Kg			10/25/23 16:46	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-34805-1	S-1 (0-1')	165 S1+	117
880-34805-2	S-1 (1.5')	86	101
880-34805-3	S-2 (0-1')	94	100
880-34805-4	S-2 (1.5')	94	99
880-34805-5	S-3 (0-1')	98	105
880-34805-6	S-3 (1.5')	98	104
890-5492-A-1-E MS	Matrix Spike	96	101
890-5492-A-1-F MSD	Matrix Spike Duplicate	100	101
890-5512-A-1-H MS	Matrix Spike	108	95
890-5512-A-1-I MSD	Matrix Spike Duplicate	101	105
LCS 880-65466/1-A	Lab Control Sample	86	97
LCS 880-65594/1-A	Lab Control Sample	107	112
LCSD 880-65466/2-A	Lab Control Sample Dup	93	104
LCSD 880-65594/2-A	Lab Control Sample Dup	100	104
MB 880-65466/5-A	Method Blank	103	132 S1+
MB 880-65594/5-A	Method Blank	69 S1-	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-34797-A-9-B MS	Matrix Spike	150 S1+	126
880-34797-A-9-C MSD	Matrix Spike Duplicate	151 S1+	128
880-34805-1	S-1 (0-1')	148 S1+	175 S1+
880-34805-2	S-1 (1.5')	150 S1+	136 S1+
880-34805-3	S-2 (0-1')	150 S1+	138 S1+
880-34805-4	S-2 (1.5')	145 S1+	132 S1+
880-34805-5	S-3 (0-1')	151 S1+	141 S1+
880-34805-6	S-3 (1.5')	171 S1+	156 S1+
LCS 880-65544/2-A	Lab Control Sample	123	136 S1+
LCSD 880-65544/3-A	Lab Control Sample Dup	107	109
MB 880-65544/1-A	Method Blank	204 S1+	193 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65466/5-A
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 11:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 11:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 11:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/24/23 14:30	10/25/23 11:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/24/23 14:30	10/25/23 11:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/24/23 14:30	10/25/23 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/24/23 14:30	10/25/23 11:48	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	10/24/23 14:30	10/25/23 11:48	1

Lab Sample ID: LCS 880-65466/1-A
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09937		mg/Kg		99	70 - 130
Toluene	0.100	0.08635		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.07862		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1420		mg/Kg		71	70 - 130
o-Xylene	0.100	0.07839		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-65466/2-A
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	6	35
Toluene	0.100	0.09082		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09350		mg/Kg		94	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1997		mg/Kg		100	70 - 130	34	35
o-Xylene	0.100	0.09311		mg/Kg		93	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-5492-A-1-E MS
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09661		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.08668		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-5492-A-1-E MS
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00200	U	0.100	0.08783		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1876		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.100	0.09004		mg/Kg		90	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-5492-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 65514

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 65466

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00200	U	0.0996	0.09809		mg/Kg		98	70 - 130	2	35
Toluene	<0.00200	U	0.0996	0.09302		mg/Kg		92	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0996	0.09044		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00400	U	0.199	0.2004		mg/Kg		101	70 - 130	7	35
o-Xylene	<0.00200	U	0.0996	0.09695		mg/Kg		97	70 - 130	7	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-65594/5-A
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/23 08:27	10/26/23 10:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/23 08:27	10/26/23 10:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/23 08:27	10/26/23 10:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/23 08:27	10/26/23 10:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/23 08:27	10/26/23 10:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/23 08:27	10/26/23 10:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	10/26/23 08:27	10/26/23 10:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/26/23 08:27	10/26/23 10:59	1

Lab Sample ID: LCS 880-65594/1-A
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.08166		mg/Kg		82	70 - 130
Toluene	0.100	0.08746		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08657		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1883		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-65594/1-A
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09108		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-65594/2-A
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08887		mg/Kg		89	70 - 130	8	35
Toluene	0.100	0.08946		mg/Kg		89	70 - 130	2	35
Ethylbenzene	0.100	0.08726		mg/Kg		87	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1776		mg/Kg		89	70 - 130	6	35
o-Xylene	0.100	0.08669		mg/Kg		87	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-5512-A-1-H MS
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.07276		mg/Kg		73	70 - 130
Toluene	<0.00200	U	0.0996	0.08398		mg/Kg		84	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.08666		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1753		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.08431		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-5512-A-1-I MSD
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 65594

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.07000		mg/Kg		71	70 - 130	4	35
Toluene	<0.00200	U	0.0990	0.07184		mg/Kg		73	70 - 130	16	35
Ethylbenzene	<0.00200	U F1	0.0990	0.06696	F1	mg/Kg		68	70 - 130	26	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1322	F1	mg/Kg		67	70 - 130	28	35
o-Xylene	<0.00200	U F1	0.0990	0.06526	F1	mg/Kg		66	70 - 130	25	35

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-5512-A-1-I MSD
 Matrix: Solid
 Analysis Batch: 65592

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 65594

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-65544/1-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	204	S1+	70 - 130	10/25/23 07:31	10/25/23 07:44	1
o-Terphenyl	193	S1+	70 - 130	10/25/23 07:31	10/25/23 07:44	1

Lab Sample ID: LCS 880-65544/2-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65544

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	123		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-65544/3-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.0		mg/Kg		92	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	913.7		mg/Kg		91	70 - 130	19	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	109		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34797-A-9-B MS
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	968.5		mg/Kg		93		70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	1261		mg/Kg		123		70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	150	S1+	70 - 130							
o-Terphenyl	126		70 - 130							

Lab Sample ID: 880-34797-A-9-C MSD
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	984.7		mg/Kg		95		70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	1287		mg/Kg		125		70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	151	S1+	70 - 130									
o-Terphenyl	128		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65481/1-A
 Matrix: Solid
 Analysis Batch: 65556

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			10/25/23 18:45	1

Lab Sample ID: LCS 880-65481/2-A
 Matrix: Solid
 Analysis Batch: 65556

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chloride	250	244.6		mg/Kg		98		90 - 110

Lab Sample ID: LCSD 880-65481/3-A
 Matrix: Solid
 Analysis Batch: 65556

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Chloride	250	244.8		mg/Kg		98		90 - 110	0	20

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-34802-A-5-B MS
Matrix: Solid
Analysis Batch: 65556

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	374		249	606.4		mg/Kg		94	90 - 110

Lab Sample ID: 880-34802-A-5-C MSD
Matrix: Solid
Analysis Batch: 65556

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	374		249	607.4		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-65486/1-A
Matrix: Solid
Analysis Batch: 65574

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			10/25/23 15:39	1

Lab Sample ID: LCS 880-65486/2-A
Matrix: Solid
Analysis Batch: 65574

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-65486/3-A
Matrix: Solid
Analysis Batch: 65574

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	245.3		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-34729-A-2-B MS
Matrix: Solid
Analysis Batch: 65574

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	276		251	536.3		mg/Kg		104	90 - 110

Lab Sample ID: 880-34729-A-2-C MSD
Matrix: Solid
Analysis Batch: 65574

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	276		251	534.0		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

GC VOA

Prep Batch: 65466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-2	S-1 (1.5')	Total/NA	Solid	5035	
880-34805-3	S-2 (0-1')	Total/NA	Solid	5035	
880-34805-4	S-2 (1.5')	Total/NA	Solid	5035	
880-34805-5	S-3 (0-1')	Total/NA	Solid	5035	
880-34805-6	S-3 (1.5')	Total/NA	Solid	5035	
MB 880-65466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5492-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-5492-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 65514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-2	S-1 (1.5')	Total/NA	Solid	8021B	65466
880-34805-3	S-2 (0-1')	Total/NA	Solid	8021B	65466
880-34805-4	S-2 (1.5')	Total/NA	Solid	8021B	65466
880-34805-5	S-3 (0-1')	Total/NA	Solid	8021B	65466
880-34805-6	S-3 (1.5')	Total/NA	Solid	8021B	65466
MB 880-65466/5-A	Method Blank	Total/NA	Solid	8021B	65466
LCS 880-65466/1-A	Lab Control Sample	Total/NA	Solid	8021B	65466
LCSD 880-65466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65466
890-5492-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	65466
890-5492-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65466

Analysis Batch: 65583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-34805-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-34805-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-34805-4	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-34805-5	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-34805-6	S-3 (1.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 65592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	8021B	65594
MB 880-65594/5-A	Method Blank	Total/NA	Solid	8021B	65594
LCS 880-65594/1-A	Lab Control Sample	Total/NA	Solid	8021B	65594
LCSD 880-65594/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65594
890-5512-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	65594
890-5512-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65594

Prep Batch: 65594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	5035	
MB 880-65594/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65594/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65594/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5512-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-5512-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 65503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	8015B NM	65544
880-34805-2	S-1 (1.5')	Total/NA	Solid	8015B NM	65544
880-34805-3	S-2 (0-1')	Total/NA	Solid	8015B NM	65544
880-34805-4	S-2 (1.5')	Total/NA	Solid	8015B NM	65544
880-34805-5	S-3 (0-1')	Total/NA	Solid	8015B NM	65544
880-34805-6	S-3 (1.5')	Total/NA	Solid	8015B NM	65544
MB 880-65544/1-A	Method Blank	Total/NA	Solid	8015B NM	65544
LCS 880-65544/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65544
LCSD 880-65544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65544
880-34797-A-9-B MS	Matrix Spike	Total/NA	Solid	8015B NM	65544
880-34797-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65544

Prep Batch: 65544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-34805-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-34805-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-34805-4	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-34805-5	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-34805-6	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-65544/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65544/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34797-A-9-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34797-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-34805-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-34805-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-34805-4	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-34805-5	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-34805-6	S-3 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 65481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Soluble	Solid	DI Leach	
MB 880-65481/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65481/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65481/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34802-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34802-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 65486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-34805-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-34805-4	S-2 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 65486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-5	S-3 (0-1')	Soluble	Solid	DI Leach	
880-34805-6	S-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-65486/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65486/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65486/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34729-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34729-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 65556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-1	S-1 (0-1')	Soluble	Solid	300.0	65481
MB 880-65481/1-A	Method Blank	Soluble	Solid	300.0	65481
LCS 880-65481/2-A	Lab Control Sample	Soluble	Solid	300.0	65481
LCSD 880-65481/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65481
880-34802-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	65481
880-34802-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	65481

Analysis Batch: 65574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34805-2	S-1 (1.5')	Soluble	Solid	300.0	65486
880-34805-3	S-2 (0-1')	Soluble	Solid	300.0	65486
880-34805-4	S-2 (1.5')	Soluble	Solid	300.0	65486
880-34805-5	S-3 (0-1')	Soluble	Solid	300.0	65486
880-34805-6	S-3 (1.5')	Soluble	Solid	300.0	65486
MB 880-65486/1-A	Method Blank	Soluble	Solid	300.0	65486
LCS 880-65486/2-A	Lab Control Sample	Soluble	Solid	300.0	65486
LCSD 880-65486/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65486
880-34729-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	65486
880-34729-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	65486

Lab Chronicle

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34805-1

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	65594	10/26/23 08:27	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	65592	10/26/23 19:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			65611	10/26/23 06:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65503	10/26/23 06:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		5			65556	10/25/23 21:34	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-34805-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65466	10/24/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65514	10/25/23 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			65611	10/25/23 16:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 16:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65486	10/24/23 13:25	SMC	EET MID
Soluble	Analysis	300.0		1			65574	10/25/23 16:12	CH	EET MID

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

Lab Sample ID: 880-34805-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65466	10/24/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65514	10/25/23 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 17:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			65611	10/25/23 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 14:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65486	10/24/23 13:25	SMC	EET MID
Soluble	Analysis	300.0		5			65574	10/25/23 16:18	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-34805-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65466	10/24/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65514	10/25/23 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 17:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
 SDG: Lea County New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-34805-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			65611	10/25/23 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 16:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65486	10/24/23 13:25	SMC	EET MID
Soluble	Analysis	300.0		1			65574	10/25/23 16:24	CH	EET MID

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

Lab Sample ID: 880-34805-5

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65466	10/24/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65514	10/25/23 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 18:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			65611	10/25/23 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65486	10/24/23 13:25	SMC	EET MID
Soluble	Analysis	300.0		5			65574	10/25/23 16:30	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34805-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65466	10/24/23 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65514	10/25/23 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65583	10/25/23 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			65611	10/25/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65486	10/24/23 13:25	SMC	EET MID
Soluble	Analysis	300.0		1			65574	10/25/23 16:46	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: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
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
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
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



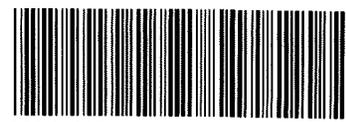
Sample Summary

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34805-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34805-1	S-1 (0-1')	Solid	10/21/23 00:00	10/24/23 11:16
880-34805-2	S-1 (1.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34805-3	S-2 (0-1')	Solid	10/21/23 00:00	10/24/23 11:16
880-34805-4	S-2 (1.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34805-5	S-3 (0-1')	Solid	10/21/23 00:00	10/24/23 11:16
880-34805-6	S-3 (1.5')	Solid	10/21/23 00:00	10/24/23 11:16

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



880-34805 Chain of Custody

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

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> rownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <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	Azores Federal Com 708H (08.21.23)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number	2153		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None	DI Water				
Project Location	Lea County, New Mexico		Due Date	72 Hrs	Parameters													Cool	Cool				
Sampler's Name	FV																	HCL	HC				
PO #																		H ₂ SO ₄	H ₂				
SAMPLE RECEIPT			Temp Blank	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Wet Ice	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													H ₃ PO ₄	HP		
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID	128															NaHSO ₄	NABIS				
Cooler Custody Seals	Yes	No	N/A	Correction Factor	0.2														Na ₂ S ₂ O ₃	NaSO ₃			
Sample Custody Seals	Yes	No	N/A	Temperature Reading	-1														Zn Acetate+NaOH	Zn			
Total Containers			Corrected Temperature	-0.3														NaOH+Ascorbic Acid	SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0													Sample Comments	
S-1 (0-1')	10/21/2023		X		G	1	X	X	X														
S-1 (1.5')	10/21/2023		X		G	1	X	X	X														
S-2 (0-1')	10/21/2023		X		G	1	X	X	X														
S-2 (1.5')	10/21/2023		X		G	1	X	X	X														
S-3 (0-1')	10/21/2023		X		G	1	X	X	X														
S-3 (1.5')	10/21/2023		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
<i>Conner Moehring</i>	10-24-23	<i>[Signature]</i>	10/24/23 11:16

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34805-1
SDG Number: Lea County New Mexico

Login Number: 34805

List Number: 1

Creator: Kramer, Jessica

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.	True	
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	

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



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 10/26/2023 2:46:17 PM

JOB DESCRIPTION

Azores Federal Com 708H (08.21.23)
 SDG NUMBER Lea County New Mexico

JOB NUMBER

880-34804-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/26/2023 2:46:17 PM

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

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Laboratory Job ID: 880-34804-1
SDG: Lea County New Mexico

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	20
Lab Chronicle	23
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	30

Definitions/Glossary

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

Job ID: 880-34804-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-34804-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 10/24/2023 11:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.3°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-34804-1), H-5 (0-0.5') (880-34804-5), H-6 (0-0.5') (880-34804-6) and H-7 (0-0.5') (880-34804-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-65488 and analytical batch 880-65513 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65492 and analytical batch 880-65440 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample duplicate (LCSD), associated with preparation batch 880-65492 and analytical batch 880-65440. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-4 (0-0.5') (880-34804-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65544 and analytical batch 880-65503 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-65544/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-34804-5), H-6 (0-0.5') (880-34804-6), H-7 (0-0.5') (880-34804-7), (880-34797-A-9-A), (880-34797-A-9-B MS) and (880-34797-A-9-C MSD). 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

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

Case Narrative

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

Job ID: 880-34804-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-1

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/24/23 14:38	10/25/23 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/24/23 14:38	10/25/23 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/24/23 14:38	10/25/23 14:37	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130	10/24/23 14:38	10/25/23 14:37	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			10/25/23 14:37	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			10/25/23 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U * - *1	49.9		mg/Kg		10/24/23 15:45	10/25/23 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U * - *1	49.9		mg/Kg		10/24/23 15:45	10/25/23 03:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/24/23 15:45	10/25/23 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	10/24/23 15:45	10/25/23 03:22	1
o-Terphenyl	103		70 - 130	10/24/23 15:45	10/25/23 03:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.01		mg/Kg			10/25/23 20:43	1

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

Lab Sample ID: 880-34804-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:38	10/25/23 12:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 12:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 12:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 12:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/24/23 14:38	10/25/23 12:34	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/24/23 14:38	10/25/23 12:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			10/25/23 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/25/23 03:42	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 *- *1	49.6		mg/Kg		10/24/23 15:45	10/25/23 03:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U *- *1	49.6		mg/Kg		10/24/23 15:45	10/25/23 03:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/24/23 15:45	10/25/23 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	10/24/23 15:45	10/25/23 03:42	1
o-Terphenyl	101		70 - 130	10/24/23 15:45	10/25/23 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		4.96		mg/Kg			10/25/23 21:00	1

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

Lab Sample ID: 880-34804-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 12:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/23 14:38	10/25/23 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 12:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/23 14:38	10/25/23 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/24/23 14:38	10/25/23 12:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/24/23 14:38	10/25/23 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/23 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/25/23 04:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *- *1	49.6		mg/Kg		10/24/23 15:45	10/25/23 04:03	1
Diesel Range Organics (Over C10-C28)	<49.6	U *- *1	49.6		mg/Kg		10/24/23 15:45	10/25/23 04:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/24/23 15:45	10/25/23 04:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/24/23 15:45	10/25/23 04:03	1
o-Terphenyl	101		70 - 130				10/24/23 15:45	10/25/23 04:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		5.00		mg/Kg			10/25/23 21:06	1

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

Lab Sample ID: 880-34804-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/24/23 14:38	10/25/23 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				10/24/23 14:38	10/25/23 13:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/24/23 14:38	10/25/23 13:15	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			10/25/23 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/25/23 04:23	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	<50.5	U *- *1	50.5		mg/Kg		10/24/23 15:45	10/25/23 04:23	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		10/24/23 15:45	10/25/23 04:23	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/24/23 15:45	10/25/23 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				10/24/23 15:45	10/25/23 04:23	1
o-Terphenyl	77		70 - 130				10/24/23 15:45	10/25/23 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.9		4.96		mg/Kg			10/25/23 21:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-5

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:38	10/25/23 13:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 13:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/24/23 14:38	10/25/23 13:36	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/24/23 14:38	10/25/23 13:36	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			10/25/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/25/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/25/23 10:31	10/25/23 13:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/25/23 10:31	10/25/23 13:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/25/23 10:31	10/25/23 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	10/25/23 10:31	10/25/23 13:41	1
o-Terphenyl	129		70 - 130	10/25/23 10:31	10/25/23 13:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.6		5.01		mg/Kg			10/25/23 21:17	1

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

Lab Sample ID: 880-34804-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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		10/24/23 14:38	10/25/23 13:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 13:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/24/23 14:38	10/25/23 13:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/24/23 14:38	10/25/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/24/23 14:38	10/25/23 13:56	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	10/24/23 14:38	10/25/23 13:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			10/25/23 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/25/23 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/25/23 10:31	10/25/23 14:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/25/23 10:31	10/25/23 14:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/25/23 10:31	10/25/23 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	10/25/23 10:31	10/25/23 14:03	1
o-Terphenyl	124		70 - 130	10/25/23 10:31	10/25/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.01		mg/Kg			10/25/23 21:23	1

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

Lab Sample ID: 880-34804-7

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/24/23 14:38	10/25/23 14:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 14:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/24/23 14:38	10/25/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/24/23 14:38	10/25/23 14:17	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130	10/24/23 14:38	10/25/23 14:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/25/23 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/25/23 14:25	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	<50.2	U	50.2		mg/Kg		10/25/23 10:31	10/25/23 14:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/25/23 10:31	10/25/23 14:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-7

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/25/23 10:31	10/25/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				10/25/23 10:31	10/25/23 14:25	1
o-Terphenyl	140	S1+	70 - 130				10/25/23 10:31	10/25/23 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		4.99		mg/Kg			10/25/23 21:29	1

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

Surrogate Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-34804-1	H-1 (0-0.5')	89	58 S1-
880-34804-1 MS	H-1 (0-0.5')	114	105
880-34804-1 MSD	H-1 (0-0.5')	110	123
880-34804-2	H-2 (0-0.5')	89	80
880-34804-3	H-3 (0-0.5')	92	87
880-34804-4	H-4 (0-0.5')	77	94
880-34804-5	H-5 (0-0.5')	91	80
880-34804-6	H-6 (0-0.5')	90	68 S1-
880-34804-7	H-7 (0-0.5')	90	61 S1-
LCS 880-65488/1-A	Lab Control Sample	113	117
LCSD 880-65488/2-A	Lab Control Sample Dup	117	115
MB 880-65488/5-A	Method Blank	68 S1-	97

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-34797-A-9-B MS	Matrix Spike	150 S1+	126
880-34797-A-9-C MSD	Matrix Spike Duplicate	151 S1+	128
880-34803-A-1-D MS	Matrix Spike	88	91
880-34803-A-1-E MSD	Matrix Spike Duplicate	92	91
880-34804-1	H-1 (0-0.5')	92	103
880-34804-2	H-2 (0-0.5')	88	101
880-34804-3	H-3 (0-0.5')	88	101
880-34804-4	H-4 (0-0.5')	68 S1-	77
880-34804-5	H-5 (0-0.5')	143 S1+	129
880-34804-6	H-6 (0-0.5')	137 S1+	124
880-34804-7	H-7 (0-0.5')	156 S1+	140 S1+
LCS 880-65492/2-A	Lab Control Sample	94	102
LCS 880-65544/2-A	Lab Control Sample	123	136 S1+
LCSD 880-65492/3-A	Lab Control Sample Dup	28 S1-	26 S1-
LCSD 880-65544/3-A	Lab Control Sample Dup	107	109
MB 880-65492/1-A	Method Blank	113	132 S1+
MB 880-65544/1-A	Method Blank	204 S1+	193 S1+

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65488/5-A
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/24/23 14:38	10/25/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/24/23 14:38	10/25/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/24/23 14:38	10/25/23 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	10/24/23 14:38	10/25/23 11:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/24/23 14:38	10/25/23 11:52	1

Lab Sample ID: LCS 880-65488/1-A
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09137		mg/Kg		91	70 - 130
Toluene	0.100	0.09720		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2135		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-65488/2-A
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08244		mg/Kg		82	70 - 130	10	35
Toluene	0.100	0.08487		mg/Kg		85	70 - 130	14	35
Ethylbenzene	0.100	0.08747		mg/Kg		87	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1799		mg/Kg		90	70 - 130	17	35
o-Xylene	0.100	0.08813		mg/Kg		88	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-34804-1 MS
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09294		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.0996	0.08594		mg/Kg		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-1 MS
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.0996	0.09863		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2007		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09876		mg/Kg		99	70 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	114		70 - 130						
1,4-Difluorobenzene (Surr)	105		70 - 130						

Lab Sample ID: 880-34804-1 MSD
 Matrix: Solid
 Analysis Batch: 65513

Client Sample ID: H-1 (0-0.5')
 Prep Type: Total/NA
 Prep Batch: 65488

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.0990	0.09727		mg/Kg		98	70 - 130	5	35
Toluene	<0.00200	U	0.0990	0.1052		mg/Kg		106	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.0990	0.1081		mg/Kg		109	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2264		mg/Kg		114	70 - 130	12	35
o-Xylene	<0.00200	U	0.0990	0.1080		mg/Kg		109	70 - 130	9	35
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	123		70 - 130								

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

Lab Sample ID: MB 880-65492/1-A
 Matrix: Solid
 Analysis Batch: 65440

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65492

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/24/23 15:43	10/24/23 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/24/23 15:43	10/24/23 19:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/24/23 15:43	10/24/23 19:43	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac		
1-Chlorooctane	113		70 - 130		10/24/23 15:43	10/24/23 19:43	1		
o-Terphenyl	132	S1+	70 - 130		10/24/23 15:43	10/24/23 19:43	1		

Lab Sample ID: LCS 880-65492/2-A
 Matrix: Solid
 Analysis Batch: 65440

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65492

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	858.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	910.1		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-65492/2-A
Matrix: Solid
Analysis Batch: 65440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65492

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	94		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-65492/3-A
Matrix: Solid
Analysis Batch: 65440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65492

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	233.0	*- *1	mg/Kg		23	70 - 130	115	20	
Diesel Range Organics (Over C10-C28)	1000	247.0	*- *1	mg/Kg		25	70 - 130	115	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	28	S1-	70 - 130
o-Terphenyl	26	S1-	70 - 130

Lab Sample ID: 880-34803-A-1-D MS
Matrix: Solid
Analysis Batch: 65440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *- *1	993	831.2		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.6	U *- *1	993	703.3		mg/Kg		71	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	88		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-34803-A-1-E MSD
Matrix: Solid
Analysis Batch: 65440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *- *1	993	822.7		mg/Kg		81	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.6	U *- *1	993	712.4		mg/Kg		72	70 - 130	1	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	91		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-65544/1-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/25/23 07:31	10/25/23 07:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	204	S1+	70 - 130	10/25/23 07:31	10/25/23 07:44	1
o-Terphenyl	193	S1+	70 - 130	10/25/23 07:31	10/25/23 07:44	1

Lab Sample ID: LCS 880-65544/2-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	123		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-65544/3-A
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.0		mg/Kg		92	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	913.7		mg/Kg		91	70 - 130	19	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-34797-A-9-B MS
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	968.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	1261		mg/Kg		123	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34797-A-9-B MS
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 65544

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: 880-34797-A-9-C MSD
 Matrix: Solid
 Analysis Batch: 65503

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 65544

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	984.7		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	1287		mg/Kg		125	70 - 130	2	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	151	S1+	70 - 130
o-Terphenyl	128		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65481/1-A
 Matrix: Solid
 Analysis Batch: 65556

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			10/25/23 18:45	1

Lab Sample ID: LCS 880-65481/2-A
 Matrix: Solid
 Analysis Batch: 65556

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.6		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-65481/3-A
 Matrix: Solid
 Analysis Batch: 65556

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-34802-A-5-B MS
 Matrix: Solid
 Analysis Batch: 65556

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	374		249	606.4		mg/Kg		94	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-34802-A-5-C MSD
Matrix: Solid
Analysis Batch: 65556

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	374		249	607.4		mg/Kg		94	90 - 110	0	20

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

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

GC VOA

Prep Batch: 65488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-65488/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65488/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65488/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34804-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34804-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 65513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	8021B	65488
MB 880-65488/5-A	Method Blank	Total/NA	Solid	8021B	65488
LCS 880-65488/1-A	Lab Control Sample	Total/NA	Solid	8021B	65488
LCSD 880-65488/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65488
880-34804-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	65488
880-34804-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	65488

Analysis Batch: 65580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 65440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	65492
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	65492
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	65492
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	65492
MB 880-65492/1-A	Method Blank	Total/NA	Solid	8015B NM	65492
LCS 880-65492/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65492
LCSD 880-65492/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65492
880-34803-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	65492
880-34803-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65492

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

GC Semi VOA

Prep Batch: 65492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-65492/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65492/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-65492/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34803-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34803-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	65544
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	65544
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	65544
MB 880-65544/1-A	Method Blank	Total/NA	Solid	8015B NM	65544
LCS 880-65544/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65544
LCS 880-65544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65544
880-34797-A-9-B MS	Matrix Spike	Total/NA	Solid	8015B NM	65544
880-34797-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65544

Prep Batch: 65544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-65544/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65544/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-65544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34797-A-9-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34797-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-34804-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 65481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34804-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34804-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-34804-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34804-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 65481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-34804-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-65481/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65481/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65481/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34802-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34802-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 65556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34804-1	H-1 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-2	H-2 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-3	H-3 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-4	H-4 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-5	H-5 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-6	H-6 (0-0.5')	Soluble	Solid	300.0	65481
880-34804-7	H-7 (0-0.5')	Soluble	Solid	300.0	65481
MB 880-65481/1-A	Method Blank	Soluble	Solid	300.0	65481
LCS 880-65481/2-A	Lab Control Sample	Soluble	Solid	300.0	65481
LCSD 880-65481/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65481
880-34802-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	65481
880-34802-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	65481

Lab Chronicle

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-1

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 14:37	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 03:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	65492	10/24/23 15:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65440	10/25/23 03:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 20:43	CH	EET MID

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

Lab Sample ID: 880-34804-2

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 12:34	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65492	10/24/23 15:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65440	10/25/23 03:42	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:00	CH	EET MID

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

Lab Sample ID: 880-34804-3

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 12:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 04:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65492	10/24/23 15:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65440	10/25/23 04:03	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:06	CH	EET MID

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

Lab Sample ID: 880-34804-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 13:15	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-4

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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			65549	10/25/23 04:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	65492	10/24/23 15:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65440	10/25/23 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:12	CH	EET MID

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

Lab Sample ID: 880-34804-5

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 13:36	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 13:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 13:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:17	CH	EET MID

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

Lab Sample ID: 880-34804-6

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 13:56	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:23	CH	EET MID

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

Lab Sample ID: 880-34804-7

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

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	65488	10/24/23 14:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65513	10/25/23 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65580	10/25/23 14:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			65549	10/25/23 14:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	65544	10/25/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65503	10/25/23 14:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-34804-7

Date Collected: 10/21/23 00:00

Matrix: Solid

Date Received: 10/24/23 11:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	65481	10/24/23 13:01	SMC	EET MID
Soluble	Analysis	300.0		1			65556	10/25/23 21:29	CH	EET MID

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
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
Project/Site: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
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: Azores Federal Com 708H (08.21.23)

Job ID: 880-34804-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34804-1	H-1 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-2	H-2 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-3	H-3 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-4	H-4 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-5	H-5 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-6	H-6 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16
880-34804-7	H-7 (0-0.5')	Solid	10/21/23 00:00	10/24/23 11:16

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34804-1
SDG Number: Lea County New Mexico

Login Number: 34804

List Number: 1

Creator: Kramer, Jessica

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.	True	
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	

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



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

November 09, 2023

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

RE: AZORES FEDERAL COM 708H (08.21.23)

Enclosed are the results of analyses for samples received by the laboratory on 11/08/23 9:53.

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 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 1 (1.5') (H236116-01)

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	11/08/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/08/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/08/2023	ND	448	112	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	11/08/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 2 (1.5') (H236116-02)

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	11/08/2023	ND	1.88	93.8	2.00	15.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.81	90.4	2.00	17.2		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.85	92.3	2.00	16.7	QM-07	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.35	89.2	6.00	16.6		
Total BTEX	<0.300	0.300	11/08/2023	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	32.0	16.0	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 99.9 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 3 (1.5') (H236116-03)

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	11/08/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/08/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 4 (1.5') (H236116-04)

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	11/08/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/08/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 5 (1.5') (H236116-05)

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	11/08/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/08/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 6 (1.5') (H236116-06)

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	11/09/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/09/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 7 (1.5') (H236116-07)

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	11/09/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/09/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 8 (1.5') (H236116-08)

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	11/09/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/09/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 9 (1.5') (H236116-09)

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	11/09/2023	ND	1.88	93.8	2.00	15.9	
Toluene*	<0.050	0.050	11/09/2023	ND	1.81	90.4	2.00	17.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.85	92.3	2.00	16.7	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.35	89.2	6.00	16.6	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 10 (1.5') (H236116-10)

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	11/08/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/08/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 11 (1.5') (H236116-11)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 12 (1.5') (H236116-12)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 13 (1.5') (H236116-13)

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	11/09/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: CS - 14 (1.5') (H236116-14)

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	11/09/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/09/2023	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	16.0	16.0	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 1 (1.5') (H236116-15)

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	11/09/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 2 (1.5') (H236116-16)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 3 (1.5') (H236116-17)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 4 (1.5') (H236116-18)

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	11/09/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	11/08/2023	ND	448	112	400	7.41		

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	11/09/2023	ND	181	90.3	200	0.221		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 5 (1.5') (H236116-19)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 6 (1.5') (H236116-20)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	181	90.3	200	0.221	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	187	93.3	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 7 (1.5') (H236116-21)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 8 (1.5') (H236116-22)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 9 (1.5') (H236116-23)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 10 (1.5') (H236116-24)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 11 (1.5') (H236116-25)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 12 (1.5') (H236116-26)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	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	<16.0	16.0	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 13 (1.5') (H236116-27)

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	11/09/2023	ND	1.86	93.0	2.00	12.6	
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/08/2023	ND	448	112	400	7.41	

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	11/09/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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:	11/08/2023	Sampling Date:	11/07/2023
Reported:	11/09/2023	Sampling Type:	Soil
Project Name:	AZORES FEDERAL COM 708H (08.21.23)	Sampling Condition:	Cool & Intact
Project Number:	2153	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO., NM		

Sample ID: SW - 14 (1.5') (H236116-28)

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	11/09/2023	ND	1.86	93.0	2.00	12.6		
Toluene*	<0.050	0.050	11/09/2023	ND	1.87	93.3	2.00	13.2		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	92.8	2.00	13.3		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.83	97.1	6.00	12.4		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/08/2023	ND	448	112	400	7.41		

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	11/09/2023	ND	199	99.4	200	2.17		
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	208	104	200	3.82		
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND						

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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

- QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H23616

Page 2 of 3

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"/> 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: <input type="checkbox"/>

Project Name:		Azores Federal Com 708H (08.21.23)		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2153		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Parameters												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:		Reading: <u>Reading</u>		-1.0 ^o C														NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>		Correction Factor:		1-8-23																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:		ID: <u>#140</u>																Zn Acetate+NaOH: Zn					
Total Containers:		26		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-11 (1.5')		11/7/2023				X				C		1		X X X													
CS-12 (1.5')		11/7/2023				X				C		1		X X X													
CS-13 (1.5')		11/7/2023				X				C		1		X X X													
CS-14 (1.5')		11/7/2023				X				C		1		X X X													
SW-1 (1.5')		11/7/2023				X				C		1		X X X													
SW-2 (1.5')		11/7/2023				X				C		1		X X X													
SW-3 (1.5')		11/7/2023				X				C		1		X X X													
SW-4 (1.5')		11/7/2023				X				C		1		X X X													
SW-5 (1.5')		11/7/2023				X				C		1		X X X													
SW-6 (1.5')		11/7/2023				X				C		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
	11-8-23 9:53		

Received by OCD: 11/20/2023 3:13:22 PM

Released to Imaging: 3/11/2024 8:54:16 AM

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 287476

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 287476
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/11/2024