

**APPROVED**

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Admiral Federal Com 002H (01.20.23)**  
**Incident #NAPP2303741458**  
**Eddy County, New Mexico**  
**Unit B Sec 33 T25S R29E**  
**32.0935°, -103.9869°**

**Crude Oil Release**  
**Point of Release: Oil Dump Malfunction**  
**Release Date: 01.20.23**  
**Volume Released: 0.632 Barrels of Crude Oil**  
**Volume Recovered: 0 Barrels of Crude Oil**

**CARMONA RESOURCES**



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

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

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

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April 3, 2023

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 4  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**Re: Closure Report  
Admiral Federal Com 002H (01.20.23)  
Concho Operating, LLC  
Site Location: Unit B, S33, T25S, R29E  
(Lat 32.0935°, Long -103.9869°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the site Admiral Federal Com 002H (01.20.23). The site is located at 32.0935°, -103.9869° within Unit B, S33, T25S, R29E, and in Eddy 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 January 20, 2023, due to an oil dump malfunction resulting in a flare fire. It released approximately zero-point-six-three-two (0.632) barrels of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area occurred off 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 medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, three known water features are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.03 miles West of the site in S32, T25S, R29E and was drilled in 1992. The well has a reported depth to groundwater of 98.13' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

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

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

### **4.0 Site Assessment Activities**

On January 30, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, three (3) sample points (S-1 through S-3) and four (4) horizontal points (H-1 through H-4) were advanced to depths ranging from the surface to 0.5' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were



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

See Table 1 for the analytical results.

### **5.0 Remediation Activities**

Before excavation, the underground gas line was hydro-vacced to ensure the proper safety protocol was followed. Carmona Resources personnel then proceeded to supervise the remediation activities, collect confirmation samples, and document backfill activities for the duration of the project. In addition to collecting composite confirmation samples, the NMOCD division office was notified via email on March 16, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of three (3) floor confirmation samples were collected (CS-1 through CS-3), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4,500. 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 and reclamation 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 36 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 contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

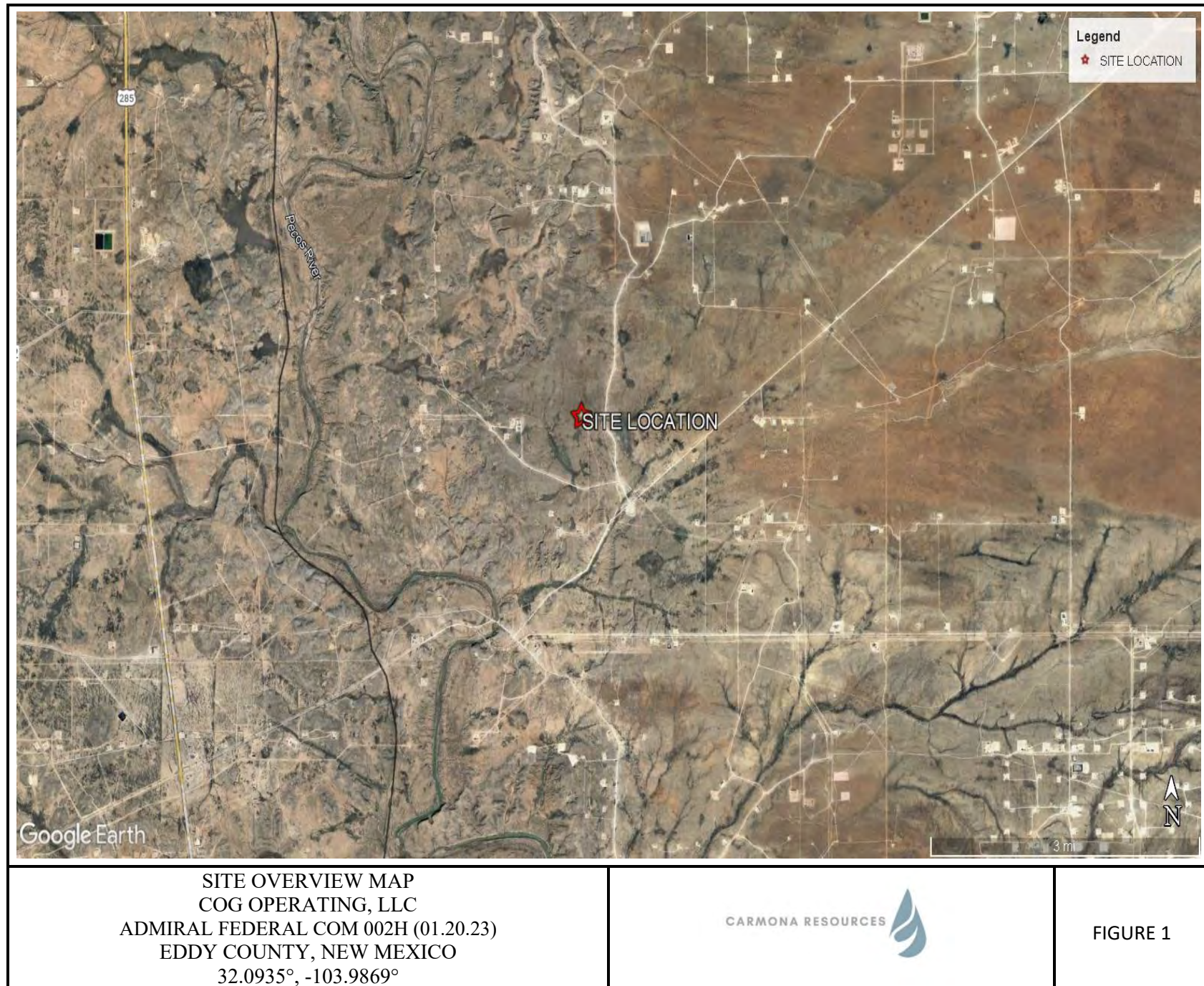
Conner Moehring  
Sr. Project Manager

## FIGURES

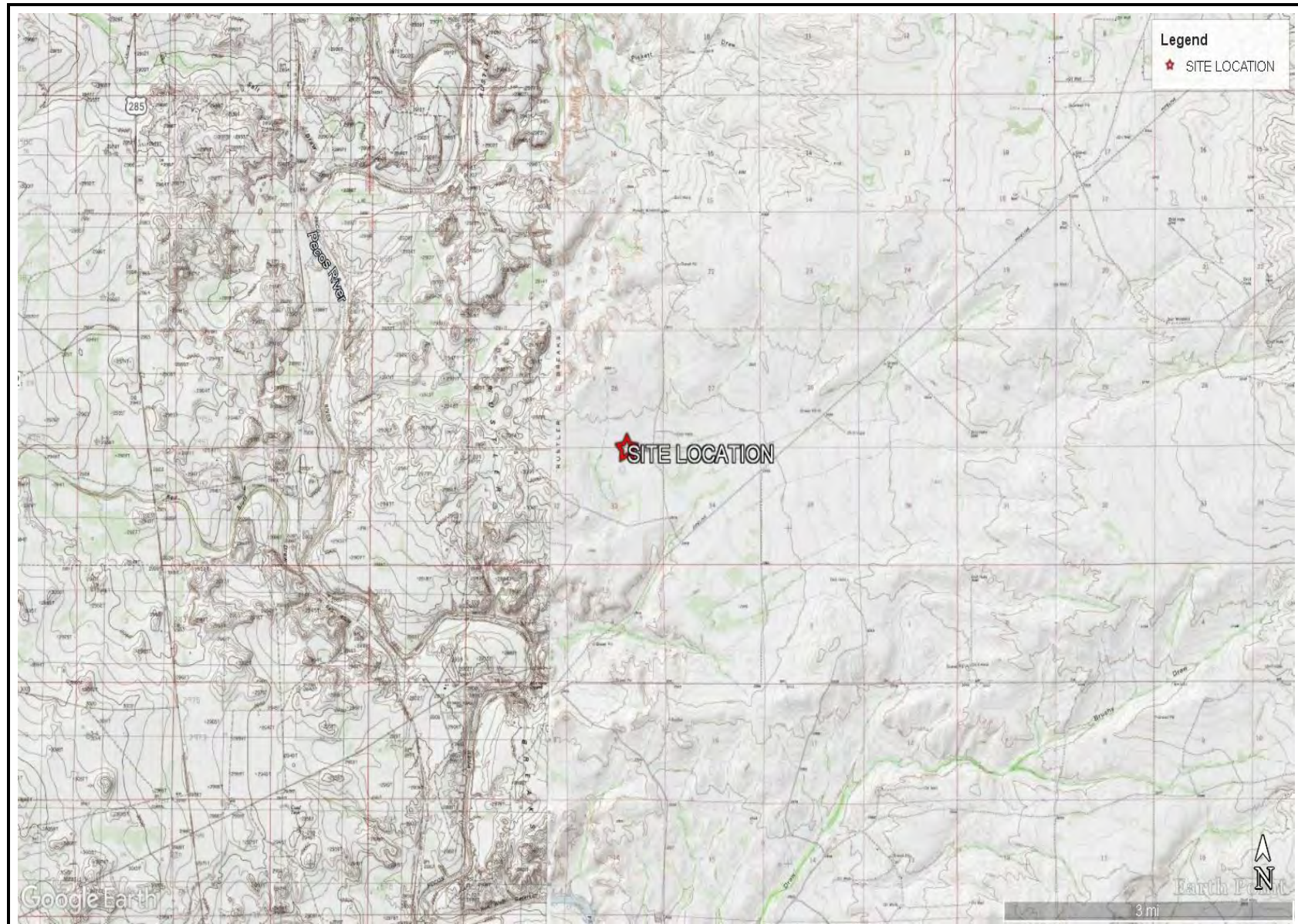
CARMONA RESOURCES









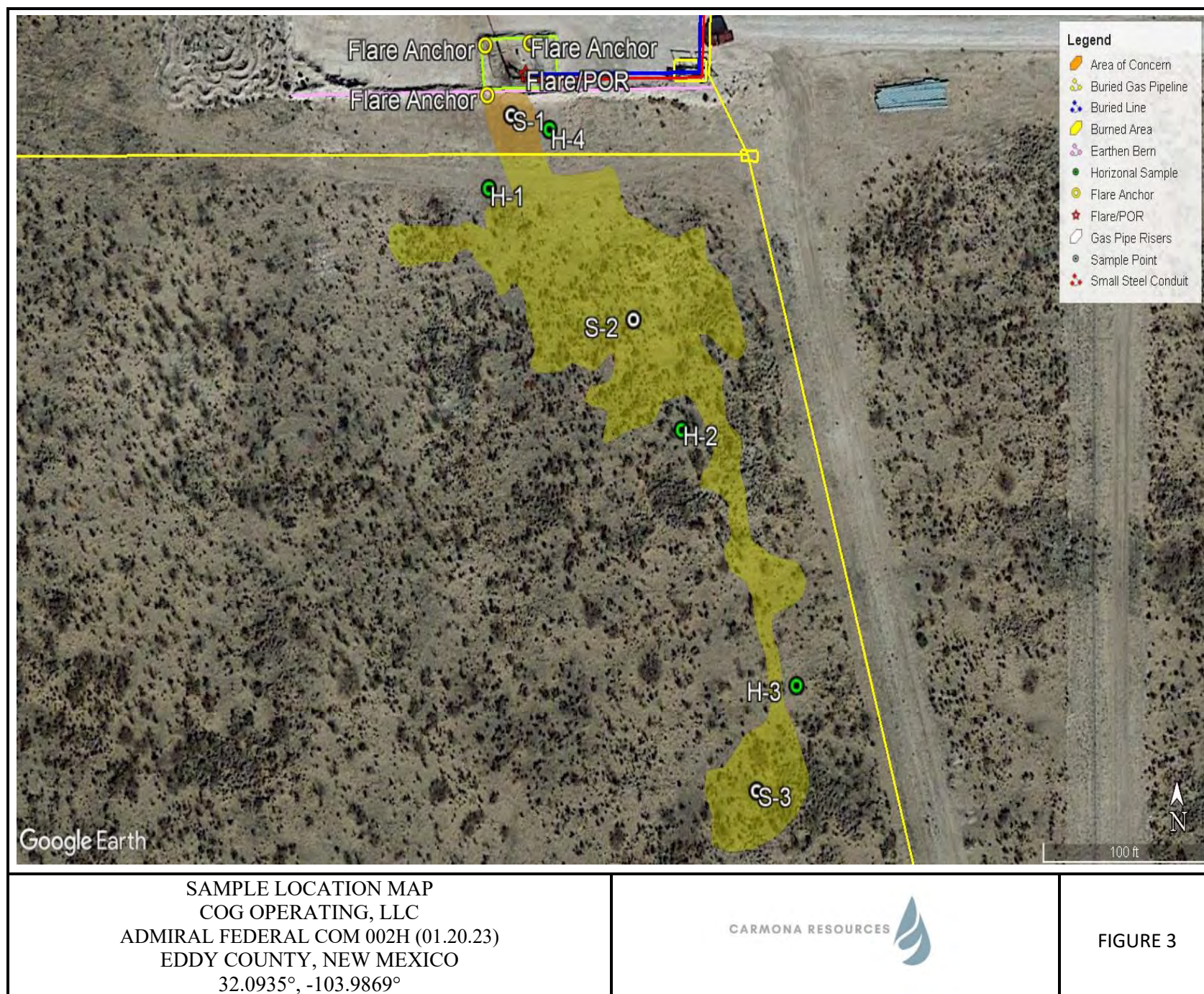


TOPOGRAPHIC MAP  
COG OPERATING, LLC  
ADMIRAL FEDERAL COM 002H (01.20.23)  
EDDY COUNTY, NEW MEXICO  
32.0935°, -103.9869°

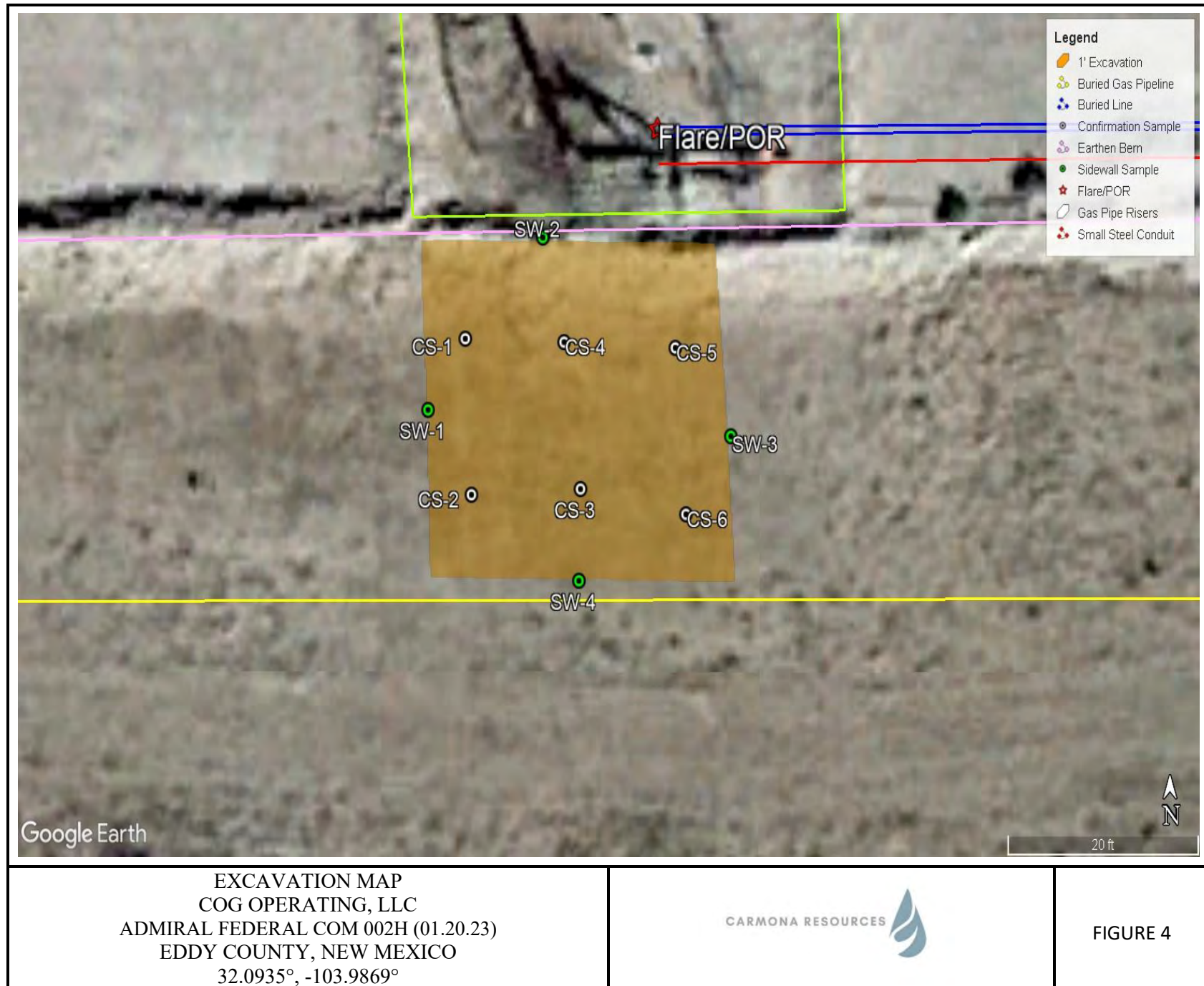


FIGURE 2









## APPENDIX A

CARMONA RESOURCES





**Table 1**  
**COG Operating**  
**Admiral Federal Com 002H (1.20.23)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (In)	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						
<b>S-1</b>	1/30/2023	0-3	<b>181</b>	<b>4,260</b>	<49.9	<b>4,440</b>	<0.00200	0.00235	<0.00200	0.0547	0.0571	186
	"	6.0	61.3	<b>1,920</b>	<49.9	<b>1,980</b>	<0.00199	<0.00199	0.0024	<0.00398	0.00584	203
<b>S-2</b>	1/30/2023	0-3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
	"	6.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
<b>S-3</b>	1/30/2023	0-3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
<b>H-1</b>	1/30/2023	0-6	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.1
<b>H-2</b>	1/30/2023	0-6	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.96
<b>H-3</b>	1/30/2023	0-6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.05
<b>H-4</b>	1/30/2023	0-6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

In-inches

(H) Horizontal

(S) Sampling

Removed

**Table 2**  
**COG Operating**  
**Admiral Federal Com 002H (1.20.23)**  
**Eddy 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						
<b>CS-1</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<b>CS-2</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-3</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<b>CS-4</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-5</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-6</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>SW-1</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>SW-2</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
<b>SW-3</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>SW-4</b>	3/21/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons  
ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample



## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 1

**Facility:** Admiral Federal Com 002H  
(01.20.23)

**County:** Eddy County, New Mexico

**Description:**  
View Southwest, area of CS-1 through CS-6.



## Photograph No. 2

**Facility:** Admiral Federal Com 002H  
(01.20.23)

**County:** Eddy County, New Mexico

**Description:**  
View West, area of CS-1 through CS-6.



## Photograph No. 3

**Facility:** Admiral Federal Com 002H  
(01.20.23)

**County:** Eddy County, New Mexico

**Description:**  
View North, area of CS-1 through CS-6.





## APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

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



Facility Name & Number:	Admiral Fed Com #2H
Asset Area:	DBW
Release Discovery Date & Time:	1.20.23
Release Type:	Oil
Provide any known details about the event:	fwko malfunction sent oil to flare

## Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	50.0	20.0	0.25	10.50%	3.708	0.389
Rectangle B	100.0	10.0	0.12	13.63%	1.780	0.243
Rectangle C					0.000	0.000
Rectangle D					0.000	0.000
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000

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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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: Jocelyn Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 04/10/2023



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: Jocelyn Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 04/10/2023

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: 06/22/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

---

**From:** Mike Carmona  
**Sent:** Thursday, March 16, 2023 9:02 AM  
**To:** NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)  
**Cc:** Conner Moehring; Harris, Jacqui; Clint Merritt  
**Subject:** COG - Admiral Federal Com 002H (1.20.23) - 48 Hour Sampling Notification- Incident No-NAPP2303741458

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples for the below-referenced site on 03/21/23 around 8:00 a.m. Please let me know if you have any questions.

**COG - Admiral Federal Com 002H (1.20.23)**  
**Incident No-NAPP2303741458**

Mike J. Carmona  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)



## APPENDIX D

CARMONA RESOURCES








Nearest water well


COG Operating


Legend


 0.50

 1.03 Miles

 2.40 Miles

 Admiral Federal Com 002H (1.20.23)

 NMSEO Water Well

 USGS Water Well

30' - Drilled 1966

98.13' - Drilled 1992

Admiral Federal Com 002H (1.20.23)



MEDIUM KARST

COG Operating

Legend

- Admiral Federal Com 002H (1.20.23)
- Medium



Admiral Federal Com 002H (1.20.23)



800 ft



## New Mexico Office of the State Engineer

# Wells with Well Log Information

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

(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	Code	Subbasin	County	Source	64	16	4	Sec	Tws	Rng	X	Y	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
<a href="#">C 01337</a>																			
<a href="#">C 01880</a>		C	ED	Shallow	3	3	2	06	25S	29E	592161	3558605*	08/25/1966	10/30/1979	11/05/1979	85	40	MURRELL ABBOTT	46
<a href="#">C 02371</a>		C	ED	Shallow	2	3	15	25S	29E		596741	3555106*	01/12/1995	01/24/1995	02/01/1995	200	60	CAMPBELL, MICHAEL R.	1259
<a href="#">C 02459</a>		C	ED		4	4	1	02	25S	29E	598422	3558663*	07/27/1995	07/27/1995	08/13/1996	150		COLLIS, ROBERT E. (LD)	1184
<a href="#">C 02518</a>		C	ED			3	4	08	25S	29E	593895	3556300*	06/02/1997	06/02/1997	06/10/1997	462		GLENN, CLARK A."CORKY" (LD)	421
<a href="#">C 04324 POD10</a>		CUB	ED	Shallow	1	1	1	09	25S	29E	594563	3557603	07/20/2019	07/21/2019	08/28/2019	65	60	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04324 POD11</a>		CUB	ED	Shallow	1	1	1	09	25S	29E	594576	3557619	07/20/2019	07/20/2019	08/28/2019	61	61	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04324 POD12</a>		CUB	ED	Shallow	2	2	2	08	25S	29E	594476	3557627	07/19/2019	07/20/2019	08/28/2019	65	60	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04324 POD6</a>		CUB	ED	Shallow	1	1	1	09	25S	29E	594538	3557657	07/18/2019	07/18/2019	08/28/2019	62	61	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04324 POD8</a>		CUB	ED	Shallow	4	4	4	05	25S	29E	594442	3557807	07/21/2019	07/21/2019	08/28/2019	69	65	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04324 POD9</a>		CUB	ED	Shallow	1	1	1	09	25S	29E	594590	3557676	07/21/2019	07/21/2019	08/28/2019	72	62	CAIN, SHAWN N.NJR.L.NER	1664
<a href="#">C 04473 POD1</a>		CUB	ED		3	4	3	33	25S	29E	595018	3549768	10/12/2020	10/12/2020	10/29/2020	110		JACKIE D ATKINS	1249
<a href="#">C 04493 POD1</a>		CUB	ED	Shallow	4	4	4	06	25S	29E	592760	3557765	11/18/2020	11/18/2020	12/17/2020	57	39	JACKIE D ATKINS	1249
<a href="#">C 04503 POD1</a>		CUB	ED		4	3	3	09	25S	29E	594884	3556142	04/19/2021	04/19/2021	05/05/2021			ATKINS, JACKIE D.UELENER	1249
<a href="#">C 04525 POD1</a>		CUB	ED		3	1	2	10	25S	29E	596976	3557505	05/26/2021	05/26/2021	06/10/2021			ATKINS, JACKIE D.UELENER	1249
<a href="#">C 04558 POD1</a>		CUB	ED		3	4	3	23	25S	29E	598354	3553039	07/21/2021	07/21/2021	08/17/2021			ATKINS, JACKIE D.UELENER	1249
<a href="#">C 04604 POD1</a>		CUB	ED		1	1	3	01	25S	29E	599401	3558388	04/13/2022	04/19/2022	05/04/2022	102		RUSSELL SOUTHERLAND	1184
<a href="#">C 04608 POD1</a>		CUB	ED		1	1	2	12	25S	29E	600080	3557719	04/19/2022	04/19/2022	05/09/2022	55		ATKINS, JACKIE D.UELENER	1249

**Record Count:** 18

**PLSS Search:**

**Township:** 25S **Range:** 29E

\*UTM location was derived from PLSS - see Help

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

2/1/23 12:59 PM

WELLS WITH WELL LOG INFORMATION





USGS Home  
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## 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 = 

- 320532104001701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 320532104001701 25S.29E.32.21111

Eddy County, New Mexico

Latitude 32°05'32", Longitude 104°00'17" NAD27

Land-surface elevation 2,988 feet above NAVD88

The depth of the well is 128 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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
1949-03-11			D 62610		2871.10	NGVD29	1		Z	
1949-03-11			D 62611		2872.66	NAVD88	1		Z	
1949-03-11			D 72019	115.34			1		Z	
1958-08-19			D 62610		2887.81	NGVD29	1		Z	
1958-08-19			D 62611		2889.37	NAVD88	1		Z	
1958-08-19			D 72019	98.63			1		Z	
1959-03-24			D 62610		2887.84	NGVD29	1		Z	
1959-03-24			D 62611		2889.40	NAVD88	1		Z	
1959-03-24			D 72019	98.60			1		Z	
1978-01-13			D 62610		2891.21	NGVD29	1		Z	
1978-01-13			D 62611		2892.77	NAVD88	1		Z	
1978-01-13			D 72019	95.23			1		Z	
1983-02-01			D 62610		2890.81	NGVD29	1		Z	
1983-02-01			D 62611		2892.37	NAVD88	1		Z	

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 measu
1983-02-01			D	72019	95.63		1		Z	
1987-10-14			D	62610		2889.75	NGVD29	1	Z	
1987-10-14			D	62611		2891.31	NAVD88	1	Z	
1987-10-14			D	72019	96.69		1		Z	
1988-04-06			D	62610		2889.51	NGVD29	1	Z	
1988-04-06			D	62611		2891.07	NAVD88	1	Z	
1988-04-06			D	72019	96.93		1		Z	
1992-11-03			D	62610		2888.31	NGVD29	1	S	
1992-11-03			D	62611		2889.87	NAVD88	1	S	
1992-11-03			D	72019	98.13		1		S	

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

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**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: 2023-02-01 16:01:33 EST  
0.35   0.31 nadww02



# 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
C	01337	2	1	30	25S	29E	591926	3552642*	

**Driller License:** 24 **Driller Company:** BRININSTOOL, M.D.

**Driller Name:** HOWARD HEMLER

**Drill Start Date:** 08/25/1966

**Drill Finish Date:** 08/30/1966

**Plug Date:**

**Log File Date:** 01/26/1967

**PCW Rcv Date:**

**Source:** Shallow

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:** 7.00

**Depth Well:** 180 feet

**Depth Water:** 30 feet

### Water Bearing Stratifications:

### Top Bottom Description

73 93 Sandstone/Gravel/Conglomerate

163 172 Sandstone/Gravel/Conglomerate

### Casing Perforations:

### Top Bottom

163 172

\*UTM location was derived from PLSS - see Help

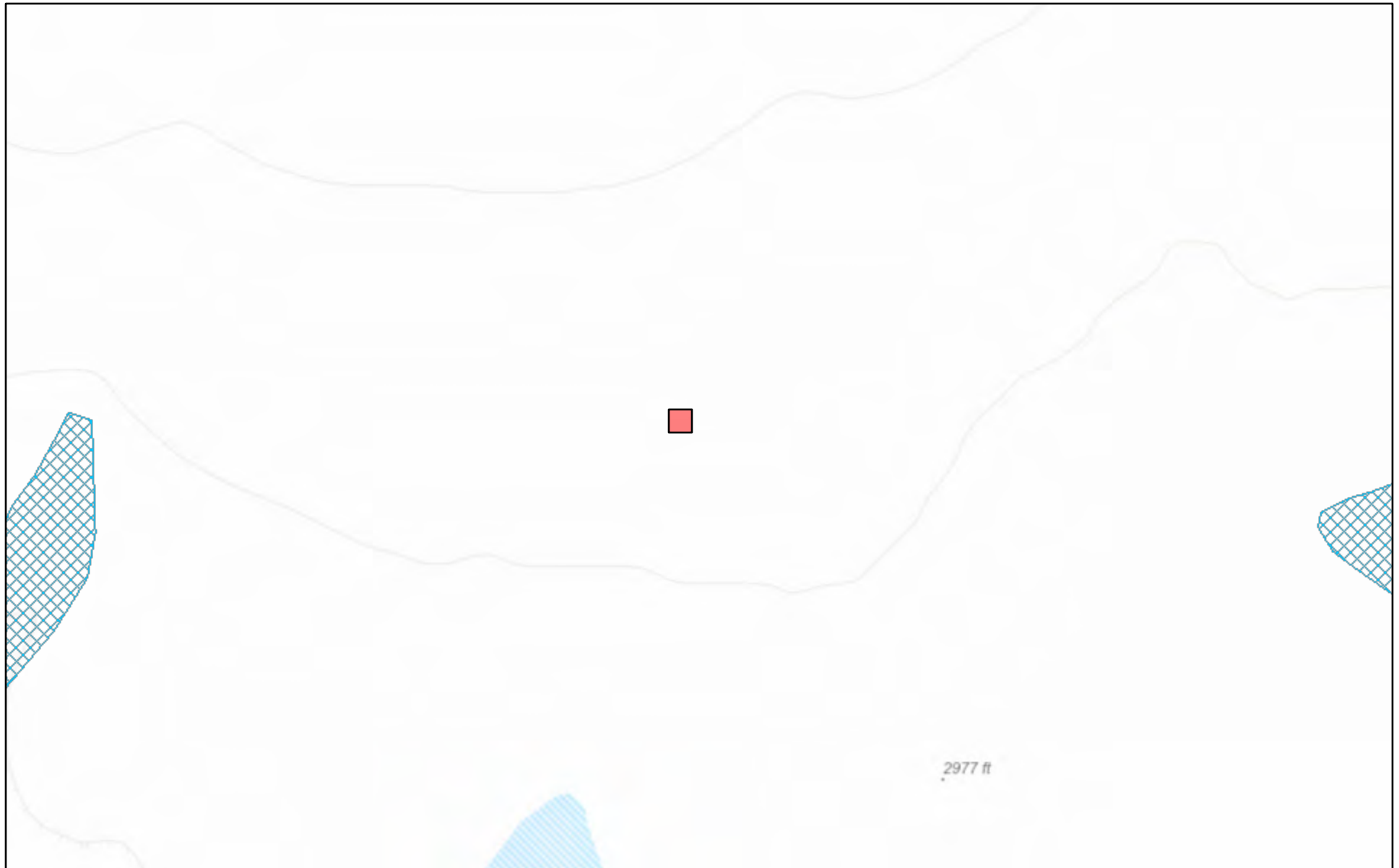
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/1/23 2:08 PM

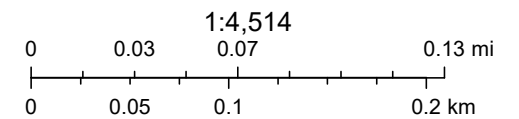
Page 1 of 1

POD SUMMARY - C 01337

# New Mexico NFHL Data



January 31, 2023



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

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## APPENDIX E

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 2/6/2023 12:09:21 PM

## JOB DESCRIPTION

Admiral Federal Com 002H (1.20.23)  
SDG NUMBER Eddy County, New Mexico

## JOB NUMBER

880-24223-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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  
2/6/2023 12:09:21 PM

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

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Laboratory Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources

Job ID: 880-24223-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

Eurofins Midland

## Case Narrative

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

**Job ID: 880-24223-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-24223-1****Receipt**

The samples were received on 1/31/2023 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-24223-1), S-1 (6") (880-24223-2), S-2 (0-3") (880-24223-3), S-2 (6") (880-24223-4), S-3 (0-3") (880-24223-5) and S-3 (6") (880-24223-6).

**GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (6") (880-24223-2), S-2 (0-3") (880-24223-3), S-3 (0-3") (880-24223-5), (LCSD 880-45530/2-A) and (890-3981-A-1-J). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-45530/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45530 and analytical batch 880-45523 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45236 and analytical batch 880-45226 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**HPLC/IC**

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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24223-1

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
Toluene	0.00235	*- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
m-Xylene & p-Xylene	0.0386	*- *1	0.00401		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
o-Xylene	0.0161	*- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
Xylenes, Total	0.0547	*- *1	0.00401		mg/Kg		02/05/23 11:10	02/06/23 02:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/05/23 11:10	02/06/23 02:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130				02/05/23 11:10	02/06/23 02:11	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0571		0.00401		mg/Kg			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4440		49.9		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	181		49.9		mg/Kg		02/02/23 09:26	02/02/23 16:22	1
Diesel Range Organics (Over C10-C28)	4260		49.9		mg/Kg		02/02/23 09:26	02/02/23 16:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				02/02/23 09:26	02/02/23 16:22	1
o-Terphenyl	112		70 - 130				02/02/23 09:26	02/02/23 16:22	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		5.02		mg/Kg			02/01/23 00:03	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-24223-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
Ethylbenzene	0.00240	*- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
o-Xylene	0.00344	*- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	40	S1-	70 - 130				02/05/23 11:10	02/06/23 02:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/05/23 11:10	02/06/23 02:32	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (6")

Lab Sample ID: 880-24223-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00584		0.00398		mg/Kg			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1980		49.9		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	61.3		49.9		mg/Kg		02/02/23 09:26	02/02/23 16:44	1
Diesel Range Organics (Over C10-C28)	1920		49.9		mg/Kg		02/02/23 09:26	02/02/23 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/02/23 09:26	02/02/23 16:44	1
o-Terphenyl	109		70 - 130				02/02/23 09:26	02/02/23 16:44	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		5.00		mg/Kg			02/01/23 00:09	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-24223-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	40	S1-	70 - 130				02/05/23 11:10	02/06/23 02:53	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/05/23 11:10	02/06/23 02:53	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:05	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

## Client Sample ID: S-2 (0-3")

## Lab Sample ID: 880-24223-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				02/02/23 09:26	02/02/23 17:05	1
o-Terphenyl	119		70 - 130				02/02/23 09:26	02/02/23 17:05	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			02/01/23 00:27	1

## Client Sample ID: S-2 (6")

## Lab Sample ID: 880-24223-4

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		02/05/23 11:10	02/06/23 03:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/05/23 11:10	02/06/23 03:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/05/23 11:10	02/06/23 03:13	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			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				02/02/23 09:26	02/02/23 17:27	1
o-Terphenyl	114		70 - 130				02/02/23 09:26	02/02/23 17:27	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			02/01/23 00:34	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-24223-5

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		02/05/23 11:10	02/06/23 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130				02/05/23 11:10	02/06/23 03:34	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				02/05/23 11:10	02/06/23 03:34	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 17:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 17:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				02/02/23 09:26	02/02/23 17:49	1
o-Terphenyl	107		70 - 130				02/02/23 09:26	02/02/23 17:49	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/01/23 00:40	1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-24223-6

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		02/05/23 11:10	02/06/23 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/05/23 11:10	02/06/23 03:55	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/05/23 11:10	02/06/23 03:55	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (6")

Lab Sample ID: 880-24223-6

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/06/23 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 18:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 18:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				02/02/23 09:26	02/02/23 18:10	1
o-Terphenyl	107		70 - 130				02/02/23 09:26	02/02/23 18:10	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/01/23 00:46	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24223-1	S-1 (0-3")	110	86
880-24223-2	S-1 (6")	40 S1-	93
880-24223-3	S-2 (0-3")	40 S1-	81
880-24223-4	S-2 (6")	117	99
880-24223-5	S-3 (0-3")	62 S1-	66 S1-
880-24223-6	S-3 (6")	117	93
890-3981-A-1-H MS	Matrix Spike	96	97
890-3981-A-1-I MSD	Matrix Spike Duplicate	102	92
LCS 880-45530/1-A	Lab Control Sample	96	98
LCSD 880-45530/2-A	Lab Control Sample Dup	45 S1-	92
MB 880-45396/5-A	Method Blank	91	91
MB 880-45530/5-A	Method Blank	91	81
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24221-A-1-C MS	Matrix Spike	112	108
880-24221-A-1-D MSD	Matrix Spike Duplicate	125	115
880-24223-1	S-1 (0-3")	106	112
880-24223-2	S-1 (6")	97	109
880-24223-3	S-2 (0-3")	113	119
880-24223-4	S-2 (6")	112	114
880-24223-5	S-3 (0-3")	109	107
880-24223-6	S-3 (6")	113	107
LCS 880-45236/2-A	Lab Control Sample	98	104
LCSD 880-45236/3-A	Lab Control Sample Dup	102	108
MB 880-45236/1-A	Method Blank	120	127
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-45396/5-A

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/23 12:56	02/05/23 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/23 12:56	02/05/23 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/23 12:56	02/05/23 14:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/23 12:56	02/05/23 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/23 12:56	02/05/23 14:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/23 12:56	02/05/23 14:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/03/23 12:56	02/05/23 14:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/03/23 12:56	02/05/23 14:00	1

Lab Sample ID: MB 880-45530/5-A

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:10	02/06/23 00:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:10	02/06/23 00:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:10	02/06/23 00:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/23 11:10	02/06/23 00:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:10	02/06/23 00:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/23 11:10	02/06/23 00:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/05/23 11:10	02/06/23 00:48	1
1,4-Difluorobenzene (Surr)	81		70 - 130	02/05/23 11:10	02/06/23 00:48	1

Lab Sample ID: LCS 880-45530/1-A

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1081		mg/Kg		108	70 - 130
Toluene	0.100	0.09776		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.08490		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1642		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08536		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-45530/2-A

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45530

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.04386	*- *1	mg/Kg		44	70 - 130	85	35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-45530/2-A

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45530

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.05531	*- *1	mg/Kg		55	70 - 130	55	35
Ethylbenzene	0.100	0.03711	*- *1	mg/Kg		37	70 - 130	78	35
m-Xylene & p-Xylene	0.200	0.05593	*- *1	mg/Kg		28	70 - 130	98	35
o-Xylene	0.100	0.02845	*- *1	mg/Kg		28	70 - 130	100	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	45	S1-	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-3981-A-1-H MS

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45530

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *- *1	0.100	0.08224		mg/Kg		81	70 - 130
Toluene	<0.00201	U *- *1	0.100	0.07527		mg/Kg		74	70 - 130
Ethylbenzene	<0.00201	U *- *1 F1	0.100	0.06748	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00402	U *- *1 F1	0.200	0.1282	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00201	U *- *1	0.100	0.07075		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-3981-A-1-I MSD

Matrix: Solid

Analysis Batch: 45523

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45530

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- *1	0.0990	0.08782		mg/Kg		87	70 - 130	7	35
Toluene	<0.00201	U *- *1	0.0990	0.07778		mg/Kg		78	70 - 130	3	35
Ethylbenzene	<0.00201	U *- *1 F1	0.0990	0.06984		mg/Kg		71	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U *- *1 F1	0.198	0.1317	F1	mg/Kg		67	70 - 130	3	35
o-Xylene	<0.00201	U *- *1	0.0990	0.07270		mg/Kg		73	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-45236/1-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1

Eurofins Midland

## QC Sample Results

Client: Carmona Resources

Job ID: 880-24223-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-45236/1-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				02/02/23 09:26	02/02/23 08:59	1
o-Terphenyl	127		70 - 130				02/02/23 09:26	02/02/23 08:59	1

Lab Sample ID: LCS 880-45236/2-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	967.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	999	942.1		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	98		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-45236/3-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	868.6		mg/Kg		87	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	999	959.3		mg/Kg		96	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 880-24221-A-1-C MS

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	1000	885.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	997.3		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	108		70 - 130						

Eurofins Midland

## QC Sample Results

Client: Carmona Resources

Job ID: 880-24223-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24221-A-1-D MSD

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	998	1495	F1 F2	mg/Kg		147	70 - 130	51	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1074		mg/Kg		108	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	115		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45148/1-A

Matrix: Solid

Analysis Batch: 45163

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			01/31/23 22:00	1

Lab Sample ID: LCS 880-45148/2-A

Matrix: Solid

Analysis Batch: 45163

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-45148/3-A

Matrix: Solid

Analysis Batch: 45163

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	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-24222-A-6-B MS

Matrix: Solid

Analysis Batch: 45163

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	<5.00	U	250	272.4		mg/Kg		108	90 - 110

Lab Sample ID: 880-24222-A-6-C MSD

Matrix: Solid

Analysis Batch: 45163

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	<5.00	U	250	272.3		mg/Kg		108	90 - 110	0	20

Eurofins Midland

## QC Association Summary

Client: Carmona Resources

Job ID: 880-24223-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 45396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45396/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 45523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	8021B	45530
880-24223-2	S-1 (6")	Total/NA	Solid	8021B	45530
880-24223-3	S-2 (0-3")	Total/NA	Solid	8021B	45530
880-24223-4	S-2 (6")	Total/NA	Solid	8021B	45530
880-24223-5	S-3 (0-3")	Total/NA	Solid	8021B	45530
880-24223-6	S-3 (6")	Total/NA	Solid	8021B	45530
MB 880-45396/5-A	Method Blank	Total/NA	Solid	8021B	45396
MB 880-45530/5-A	Method Blank	Total/NA	Solid	8021B	45530
LCS 880-45530/1-A	Lab Control Sample	Total/NA	Solid	8021B	45530
LCSD 880-45530/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45530
890-3981-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	45530
890-3981-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45530

## Prep Batch: 45530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	5035	
880-24223-2	S-1 (6")	Total/NA	Solid	5035	
880-24223-3	S-2 (0-3")	Total/NA	Solid	5035	
880-24223-4	S-2 (6")	Total/NA	Solid	5035	
880-24223-5	S-3 (0-3")	Total/NA	Solid	5035	
880-24223-6	S-3 (6")	Total/NA	Solid	5035	
MB 880-45530/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45530/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45530/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3981-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-3981-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 45602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-24223-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-24223-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-24223-4	S-2 (6")	Total/NA	Solid	Total BTEX	
880-24223-5	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-24223-6	S-3 (6")	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 45226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	8015B NM	45236
880-24223-2	S-1 (6")	Total/NA	Solid	8015B NM	45236
880-24223-3	S-2 (0-3")	Total/NA	Solid	8015B NM	45236
880-24223-4	S-2 (6")	Total/NA	Solid	8015B NM	45236
880-24223-5	S-3 (0-3")	Total/NA	Solid	8015B NM	45236
880-24223-6	S-3 (6")	Total/NA	Solid	8015B NM	45236
MB 880-45236/1-A	Method Blank	Total/NA	Solid	8015B NM	45236

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 45226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-45236/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45236
LCSD 880-45236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45236
880-24221-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	45236
880-24221-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45236

## Prep Batch: 45236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-24223-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-24223-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-24223-4	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-24223-5	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-24223-6	S-3 (6")	Total/NA	Solid	8015NM Prep	
MB 880-45236/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45236/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24221-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-24221-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 45360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-24223-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-24223-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-24223-4	S-2 (6")	Total/NA	Solid	8015 NM	
880-24223-5	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-24223-6	S-3 (6")	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 45148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-24223-2	S-1 (6")	Soluble	Solid	DI Leach	
880-24223-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-24223-4	S-2 (6")	Soluble	Solid	DI Leach	
880-24223-5	S-3 (0-3")	Soluble	Solid	DI Leach	
880-24223-6	S-3 (6")	Soluble	Solid	DI Leach	
MB 880-45148/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45148/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45148/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24222-A-6-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-24222-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 45163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-1	S-1 (0-3")	Soluble	Solid	300.0	45148
880-24223-2	S-1 (6")	Soluble	Solid	300.0	45148
880-24223-3	S-2 (0-3")	Soluble	Solid	300.0	45148
880-24223-4	S-2 (6")	Soluble	Solid	300.0	45148
880-24223-5	S-3 (0-3")	Soluble	Solid	300.0	45148

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QC Association Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 45163 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24223-6	S-3 (6")	Soluble	Solid	300.0	45148
MB 880-45148/1-A	Method Blank	Soluble	Solid	300.0	45148
LCS 880-45148/2-A	Lab Control Sample	Soluble	Solid	300.0	45148
LCSD 880-45148/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45148
880-24222-A-6-B MS	Matrix Spike	Soluble	Solid	300.0	45148
880-24222-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	45148

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24223-1

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 16:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:03	CH	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-24223-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 16:44	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:09	CH	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-24223-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 17:05	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:27	CH	EET MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-24223-4

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 03:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

## Client Sample ID: S-2 (6")

## Lab Sample ID: 880-24223-4

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 17:27	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:34	CH	EET MID

## Client Sample ID: S-3 (0-3")

## Lab Sample ID: 880-24223-5

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 17:49	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:40	CH	EET MID

## Client Sample ID: S-3 (6")

## Lab Sample ID: 880-24223-6

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45530	02/05/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45523	02/06/23 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45602	02/06/23 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			45360	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 18:10	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	02/01/23 00:46	CH	EET MID

## Laboratory References:

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

Eurofins Midland

## Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-24223-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

## Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Eurofins Midland

Method Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy 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: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24223-1  
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24223-1	S-1 (0-3")	Solid	01/30/23 00:00	01/31/23 13:30
880-24223-2	S-1 (6")	Solid	01/30/23 00:00	01/31/23 13:30
880-24223-3	S-2 (0-3")	Solid	01/30/23 00:00	01/31/23 13:30
880-24223-4	S-2 (6")	Solid	01/30/23 00:00	01/31/23 13:30
880-24223-5	S-3 (0-3")	Solid	01/30/23 00:00	01/31/23 13:30
880-24223-6	S-3 (6")	Solid	01/30/23 00:00	01/31/23 13:30

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[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24223-1

SDG Number: Eddy County, New Mexico

Login Number: 24223

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 2/6/2023 11:23:53 AM

## JOB DESCRIPTION

Admiral Federal Com 002H (1.20.23)  
SDG NUMBER Eddy County, New Mexico


## JOB NUMBER

880-24221-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

**Eurofins Midland****Job Notes**

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  
2/6/2023 11:23:53 AM

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

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Laboratory Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources

Job ID: 880-24221-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

**Job ID: 880-24221-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-24221-1****Receipt**

The samples were received on 1/31/2023 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-24221-1), H-2 (0-0.5') (880-24221-2), H-3 (0-0.5') (880-24221-3) and H-4 (0-0.5') (880-24221-4).

**GC VOA**

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

**GC Semi VOA**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45236 and analytical batch 880-45226 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**HPLC/IC**

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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24221-1

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/23 14:42	02/05/23 20:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/23 14:42	02/05/23 20:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/23 14:42	02/05/23 20:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/03/23 14:42	02/05/23 20:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/23 14:42	02/05/23 20:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/03/23 14:42	02/05/23 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/03/23 14:42	02/05/23 20:07	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/03/23 14:42	02/05/23 20:07	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			02/06/23 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/02/23 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0		mg/Kg		02/02/23 09:26	02/02/23 11:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 11:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/02/23 09:26	02/02/23 11:35	1
o-Terphenyl	106		70 - 130	02/02/23 09:26	02/02/23 11:35	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		5.00		mg/Kg			01/31/23 22:37	1

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

Lab Sample ID: 880-24221-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/23 14:42	02/05/23 20:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/23 14:42	02/05/23 20:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/23 14:42	02/05/23 20:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/23 14:42	02/05/23 20:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/23 14:42	02/05/23 20:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/23 14:42	02/05/23 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/03/23 14:42	02/05/23 20:27	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/03/23 14:42	02/05/23 20:27	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24221-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/06/23 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/02/23 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 12:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 12:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/02/23 09:26	02/02/23 12:42	1
o-Terphenyl	109		70 - 130				02/02/23 09:26	02/02/23 12:42	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.96		4.97		mg/Kg			01/31/23 22:43	1

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

Lab Sample ID: 880-24221-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/23 14:42	02/05/23 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/03/23 14:42	02/05/23 20:47	1
1,4-Difluorobenzene (Surr)	113		70 - 130				02/03/23 14:42	02/05/23 20:47	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/06/23 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/02/23 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 13:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 13:04	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24221-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				02/02/23 09:26	02/02/23 13:04	1
o-Terphenyl	112		70 - 130				02/02/23 09:26	02/02/23 13:04	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			01/31/23 22:49	1

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

Lab Sample ID: 880-24221-4

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/03/23 14:42	02/05/23 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/03/23 14:42	02/05/23 21:08	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/03/23 14:42	02/05/23 21:08	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/06/23 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/03/23 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 09:26	02/02/23 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				02/02/23 09:26	02/02/23 18:32	1
o-Terphenyl	105		70 - 130				02/02/23 09:26	02/02/23 18:32	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/31/23 22:55	1

Eurofins Midland

## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
 SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24221-1	H-1 (0-0.5')	108	114
880-24221-2	H-2 (0-0.5')	105	96
880-24221-3	H-3 (0-0.5')	109	113
880-24221-4	H-4 (0-0.5')	108	112
880-24225-A-1-E MS	Matrix Spike	104	113
880-24225-A-1-F MSD	Matrix Spike Duplicate	102	111
LCS 880-45403/1-A	Lab Control Sample	105	110
LCSD 880-45403/2-A	Lab Control Sample Dup	106	112
MB 880-45403/5-A	Method Blank	107	104
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24221-1	H-1 (0-0.5')	101	106
880-24221-1 MS	H-1 (0-0.5')	112	108
880-24221-1 MSD	H-1 (0-0.5')	125	115
880-24221-2	H-2 (0-0.5')	105	109
880-24221-3	H-3 (0-0.5')	112	112
880-24221-4	H-4 (0-0.5')	102	105
LCS 880-45236/2-A	Lab Control Sample	98	104
LCSD 880-45236/3-A	Lab Control Sample Dup	102	108
MB 880-45236/1-A	Method Blank	120	127
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-45403/5-A

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 13:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 13:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 13:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/23 14:42	02/05/23 13:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/23 14:42	02/05/23 13:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/23 14:42	02/05/23 13:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/03/23 14:42	02/05/23 13:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/03/23 14:42	02/05/23 13:42	1

Lab Sample ID: LCS 880-45403/1-A

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/Kg		112	70 - 130
Toluene	0.100	0.1039		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-45403/2-A

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1109		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	0	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109	70 - 130	0	35
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-24225-A-1-E MS

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1049		mg/Kg		104	70 - 130
Toluene	<0.00202	U	0.100	0.09498		mg/Kg		95	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24225-A-1-E MS

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.09487		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1994		mg/Kg		99	70 - 130
o-Xylene	<0.00202	U	0.100	0.09510		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-24225-A-1-F MSD

Matrix: Solid

Analysis Batch: 45525

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1003		mg/Kg		101	70 - 130	4	35
Toluene	<0.00202	U	0.0990	0.09223		mg/Kg		93	70 - 130	3	35
Ethylbenzene	<0.00202	U	0.0990	0.09073		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1900		mg/Kg		96	70 - 130	5	35
o-Xylene	<0.00202	U	0.0990	0.08969		mg/Kg		91	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-45236/1-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 09:26	02/02/23 08:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	02/02/23 09:26	02/02/23 08:59	1
o-Terphenyl	127		70 - 130	02/02/23 09:26	02/02/23 08:59	1

Lab Sample ID: LCS 880-45236/2-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	967.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	999	942.1		mg/Kg		94	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-45236/2-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45236

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-45236/3-A

Matrix: Solid

Analysis Batch: 45226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	868.6		mg/Kg		87	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	999	959.3		mg/Kg		96	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-24221-1 MS

Matrix: Solid

Analysis Batch: 45226

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

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	1000	885.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	997.3		mg/Kg		100	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-24221-1 MSD

Matrix: Solid

Analysis Batch: 45226

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

Prep Type: Total/NA

Prep Batch: 45236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	998	1495	F1 F2	mg/Kg		147	70 - 130	51	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1074		mg/Kg		108	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	115		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45148/1-A

Matrix: Solid

Analysis Batch: 45163

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			01/31/23 22:00	1

Lab Sample ID: LCS 880-45148/2-A

Matrix: Solid

Analysis Batch: 45163

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-45148/3-A

Matrix: Solid

Analysis Batch: 45163

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	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-24220-A-1-C MS

Matrix: Solid

Analysis Batch: 45163

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	<5.03	U	252	264.1		mg/Kg		104	90 - 110

Lab Sample ID: 880-24220-A-1-D MSD

Matrix: Solid

Analysis Batch: 45163

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	<5.03	U	252	265.0		mg/Kg		105	90 - 110	0	20



## QC Association Summary

Client: Carmona Resources

Job ID: 880-24221-1

Project/Site: Admiral Federal Com 002H (1.20.23)

SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 45403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-45403/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45403/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45403/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24225-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-24225-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 45525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	8021B	45403
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	8021B	45403
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	8021B	45403
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	8021B	45403
MB 880-45403/5-A	Method Blank	Total/NA	Solid	8021B	45403
LCS 880-45403/1-A	Lab Control Sample	Total/NA	Solid	8021B	45403
LCSD 880-45403/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45403
880-24225-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	45403
880-24225-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45403

## Analysis Batch: 45585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 45226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	45236
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	45236
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	45236
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	45236
MB 880-45236/1-A	Method Blank	Total/NA	Solid	8015B NM	45236
LCS 880-45236/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45236
LCSD 880-45236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45236
880-24221-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	45236
880-24221-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	45236

## Prep Batch: 45236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-45236/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45236/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 45236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-45236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24221-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-24221-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 45273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-24221-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-24221-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-24221-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 45148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-24221-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-24221-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-24221-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-45148/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45148/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45148/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24220-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-24220-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 45163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24221-1	H-1 (0-0.5')	Soluble	Solid	300.0	45148
880-24221-2	H-2 (0-0.5')	Soluble	Solid	300.0	45148
880-24221-3	H-3 (0-0.5')	Soluble	Solid	300.0	45148
880-24221-4	H-4 (0-0.5')	Soluble	Solid	300.0	45148
MB 880-45148/1-A	Method Blank	Soluble	Solid	300.0	45148
LCS 880-45148/2-A	Lab Control Sample	Soluble	Solid	300.0	45148
LCSD 880-45148/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45148
880-24220-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	45148
880-24220-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	45148

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24221-1

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	45403	02/03/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45525	02/05/23 20:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45585	02/06/23 11:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			45273	02/02/23 14:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 11:35	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	01/31/23 22:37	CH	EET MID

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

Lab Sample ID: 880-24221-2

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45403	02/03/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45525	02/05/23 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45585	02/06/23 11:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			45273	02/02/23 14:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 12:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	01/31/23 22:43	CH	EET MID

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

Lab Sample ID: 880-24221-3

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45403	02/03/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45525	02/05/23 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45585	02/06/23 11:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			45273	02/02/23 14:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 13:04	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	01/31/23 22:49	CH	EET MID

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

Lab Sample ID: 880-24221-4

Date Collected: 01/30/23 00:00

Matrix: Solid

Date Received: 01/31/23 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45403	02/03/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45525	02/05/23 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45585	02/06/23 11:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')  
Date Collected: 01/30/23 00:00  
Date Received: 01/31/23 13:30

Lab Sample ID: 880-24221-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45273	02/03/23 11:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45236	02/02/23 09:26	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45226	02/02/23 18:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45148	01/31/23 14:40	CH	EET MID
Soluble	Analysis	300.0		1			45163	01/31/23 22:55	CH	EET MID

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

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**Accreditation/Certification Summary**

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

**Laboratory: Eurofins Midland**

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources  
Project/Site: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy 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: Admiral Federal Com 002H (1.20.23)

Job ID: 880-24221-1  
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24221-1	H-1 (0-0.5')	Solid	01/30/23 00:00	01/31/23 13:30
880-24221-2	H-2 (0-0.5')	Solid	01/30/23 00:00	01/31/23 13:30
880-24221-3	H-3 (0-0.5')	Solid	01/30/23 00:00	01/31/23 13:30
880-24221-4	H-4 (0-0.5')	Solid	01/30/23 00:00	01/31/23 13:30

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

Work Order No: 24221

Page 1 of 1



Project Manager: Conner Moehring		Bill to (if different): Jacqui Harris
Company Name: Carmona Resources		Company Name: COG
Address: 310 W Wall St Ste 415		Address: 15 W London Rd
City, State ZIP: Midland TX 79701		City, State ZIP: Loving NM 88258
Phone: 432-813-6823	Email: <a href="mailto:jacqui.harris@conocophillips.com">jacqui.harris@conocophillips.com</a>	

Page 1 of 1

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

[illegible]

Comments Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	1/31/23 1330		



## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24221-1

SDG Number: Eddy County, New Mexico

Login Number: 24221

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



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March 23, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: ADMIRAL FEDERAL COM 002H (1.20.23)

Enclosed are the results of analyses for samples received by the laboratory on 03/22/23 8:21.

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](http://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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 1 (1') (H231295-01)**

BTX 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	03/22/2023	ND	2.10	105	2.00	1.97	
Toluene*	<0.050	0.050	03/22/2023	ND	2.12	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.20	110	2.00	1.88	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.73	112	6.00	1.73	
Total BTX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 2 (1') (H231295-02)**

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	03/22/2023	ND	2.10	105	2.00	1.97	
Toluene*	<0.050	0.050	03/22/2023	ND	2.12	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.20	110	2.00	1.88	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.73	112	6.00	1.73	
Total BTEX	<0.300	0.300	03/22/2023	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	80.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 3 (1') (H231295-03)**

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	03/22/2023	ND	2.10	105	2.00	1.97	
Toluene*	<0.050	0.050	03/22/2023	ND	2.12	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.20	110	2.00	1.88	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.73	112	6.00	1.73	
Total BTEX	<0.300	0.300	03/22/2023	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	64.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 4 (1') (H231295-04)**

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	03/22/2023	ND	2.10	105	2.00	1.97	
Toluene*	<0.050	0.050	03/22/2023	ND	2.12	106	2.00	3.09	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.20	110	2.00	1.88	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.73	112	6.00	1.73	
Total BTEX	<0.300	0.300	03/22/2023	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	80.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 5 (1') (H231295-05)**

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	03/22/2023	ND	2.10	105	2.00	1.97		
Toluene*	<0.050	0.050	03/22/2023	ND	2.12	106	2.00	3.09		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.20	110	2.00	1.88		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.73	112	6.00	1.73		
Total BTEX	<0.300	0.300	03/22/2023	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	96.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: CS - 6 (1') (H231295-06)**

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	03/22/2023	ND	1.99	99.3	2.00	0.793		
Toluene*	<0.050	0.050	03/22/2023	ND	2.00	99.9	2.00	2.93		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.01	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.10	102	6.00	1.67		
Total BTEX	<0.300	0.300	03/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/22/2023	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	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: SW - 1 (1') (H231295-07)**

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	03/22/2023	ND	1.99	99.3	2.00	0.793		
Toluene*	<0.050	0.050	03/22/2023	ND	2.00	99.9	2.00	2.93		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.01	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.10	102	6.00	1.67		
Total BTEX	<0.300	0.300	03/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/23/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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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:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: SW - 2 (1') (H231295-08)**

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	03/22/2023	ND	1.99	99.3	2.00	0.793		
Toluene*	<0.050	0.050	03/22/2023	ND	2.00	99.9	2.00	2.93		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.01	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.10	102	6.00	1.67		
Total BTEX	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	128	16.0	03/23/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: SW - 3 (1') (H231295-09)**

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	03/22/2023	ND	1.99	99.3	2.00	0.793		
Toluene*	<0.050	0.050	03/22/2023	ND	2.00	99.9	2.00	2.93		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.01	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.10	102	6.00	1.67		
Total BTEX	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	03/23/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2023	Sampling Date:	03/21/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	ADMIRAL FEDERAL COM 002H (1.20.23)	Sampling Condition:	Cool & Intact
Project Number:	1224	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY COUNTY, NEW MEXICO		

**Sample ID: SW - 4 (1') (H231295-10)**

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	03/22/2023	ND	1.99	99.3	2.00	0.793		
Toluene*	<0.050	0.050	03/22/2023	ND	2.00	99.9	2.00	2.93		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.01	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.10	102	6.00	1.67		
Total BTEX	<0.300	0.300	03/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/23/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2023	ND	183	91.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	176	88.0	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager

Work Order No: 110510

Page      of     

Page 13 of 13

Project Manager: Conner Moehring		Bill to: (if different) Jacqui Harris		<div style="border: 1px solid black; padding: 5px;"> <b>Work Order Comments</b>          Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> rownfields <input type="checkbox"/> RC <input type="checkbox"/> per          State of Project:          Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRF <input type="checkbox"/> Lev          Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:       </div>	
Company Name: Carmona Resources		Company Name: COG			
Address: 310 W Wall St Ste 500		Address: 15 W London Rd			
City, State ZIP: Midland, TX 79701		City, State ZIP: Loving, NM 88258			
Phone: 432-813-6823		Email: jacqui.harris@conocophillips.com			

Project Name: Admiral Federal Com 002H (1.20.23)							Turn Around		ANALYSIS REQUEST												Preservative C			
Project Number: 1224							<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI W	
Project Location: Eddy County, New Mexico							Due Date: 24 Hrs		Parameters		BTEX 8021B TPH 8015M ( GRO + DRO + MRO) Chloride 4500												Cool: Cool MeO	
Sampler's Name: KB																							HCL: HC HNO	
PO #:																							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaO	
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				H <sub>3</sub> PO <sub>4</sub> : HP																
		Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 113				NaHSO <sub>4</sub> : NABIS																
		Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor: -0.6°C				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																
		Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading: 0.4°C				Zn Acetate+NaOH: Zn																
		Total Containers:		Corrected Temperature: -0.2°C				NaOH+Ascorbic Acid:																

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comm
CS-1 (1')	3/21/2022		X		C	1	X	X	X										
CS-2 (1')	3/21/2022		X		C	1	X	X	X										
CS-3 (1')	3/21/2022		X		C	1	X	X	X										
CS-4 (1')	3/21/2022		X		C	1	X	X	X										
CS-5 (1')	3/21/2022		X		C	1	X	X	X										
CS-6 (1')	3/21/2022		X		C	1	X	X	X										
SW-1 (1')	3/21/2022		X		C	1	X	X	X										
SW-2 (1')	3/21/2022		X		C	1	X	X	X										
SW-3 (1')	3/21/2022		X		C	1	X	X	X										
SW-4 (1')	3/21/2022		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	
		3-22-23 0821					



**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 205398

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 205398
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/22/2023