

CARMONA RESOURCES



SITE INFORMATION

Work Plan

Man State 002H (03.15.2023)
Eddy County, New Mexico
Unit N Sec 31 T18S R28E
32.685523°, -104.216853°

Produced Water Release

Point of Release: Hole in flowline

Release Date: 03.15.2023

Volume Released: 0.3148 barrels of Produced Water

Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES



Prepared for:

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

Prepared by:

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

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



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June 13, 2023

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

**Re: Work Plan
Man State 002H (03.15.2023)
Concho Operating, LLC
Site Location: Unit N, S31, T18S, R28E
(Lat 32.696667°, Long -104.216667°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Man State 002H (03.15.2023). The site is located at 32.696667°, -104.216667° within Unit N, S31, T18S, R28E, 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 March 15, 2023, caused by a fire on the side of the road melting a hole into the flowline. It resulted in the release of approximately zero point three-one-four-eight (0.3148) barrels of produced water, and zero (0) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.15 miles East of the site in S05, T19S, R28E and was drilled in 2015. The well has a reported depth to groundwater of 159.93' below ground surface (ft bgs). A copy of the associated Point of Diversion 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.

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4.0 Site Assessment Activities

Initial Assessment

On March 30, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) sample points and eight (8) horizontal samples were advanced to depths ranging from the surface to 0.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil 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.

Vertical delineation was not achieved for the area of concern due to the dense layer encountered. The burnt area in blue Figure 3 showed no impact for the areas of S-5 and S-6. Refer to Table 1.

Trenching

On April 13, 2023, Carmona Resources, LLC was onsite to further assess via backhoe and break through the dense layer. Three (3) trenches (T-1, T-2, and T-3) were installed to total depths ranging from surface to 5.0 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

All areas were delineated vertically. Refer to Table 1.

5.0 Proposed Work Plan

Based on the analytical data and the detected chloride concentrations, Concho proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The area of S-1 will be excavated to a depth of 2.5'– 3.0' below the surface and backfilled with clean material to grade.
- The area of S-2 will be excavated to 4.5' below the surface and backfilled with clean material to grade.
- The areas of S-3 and S-4 will be excavated to 1.5' below the surface and backfilled with clean material to grade.
- An estimated 464 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth. However, it is subject to change if vertical delineation is achieved sooner.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 300 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.



- Due to the area being near a high-traffic blacktop road, we will have a traffic control plan. Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, COG will excavate the impacted soils to the maximum extent possible.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

A handwritten signature in black ink, appearing to read "Mike Carmona".

Mike Carmona
Environmental Manager

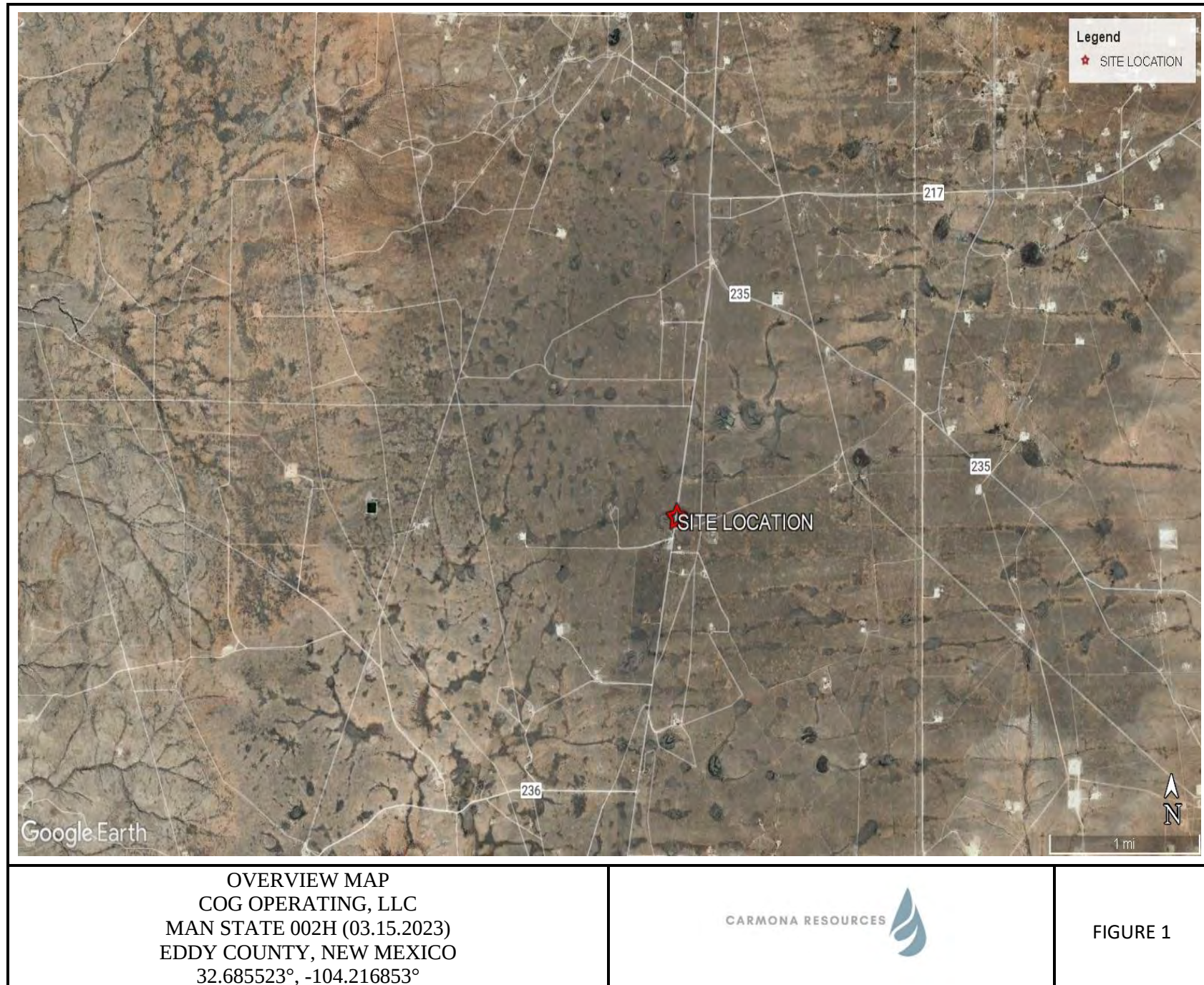
A handwritten signature in black ink, appearing to read "Conner Moehring".

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



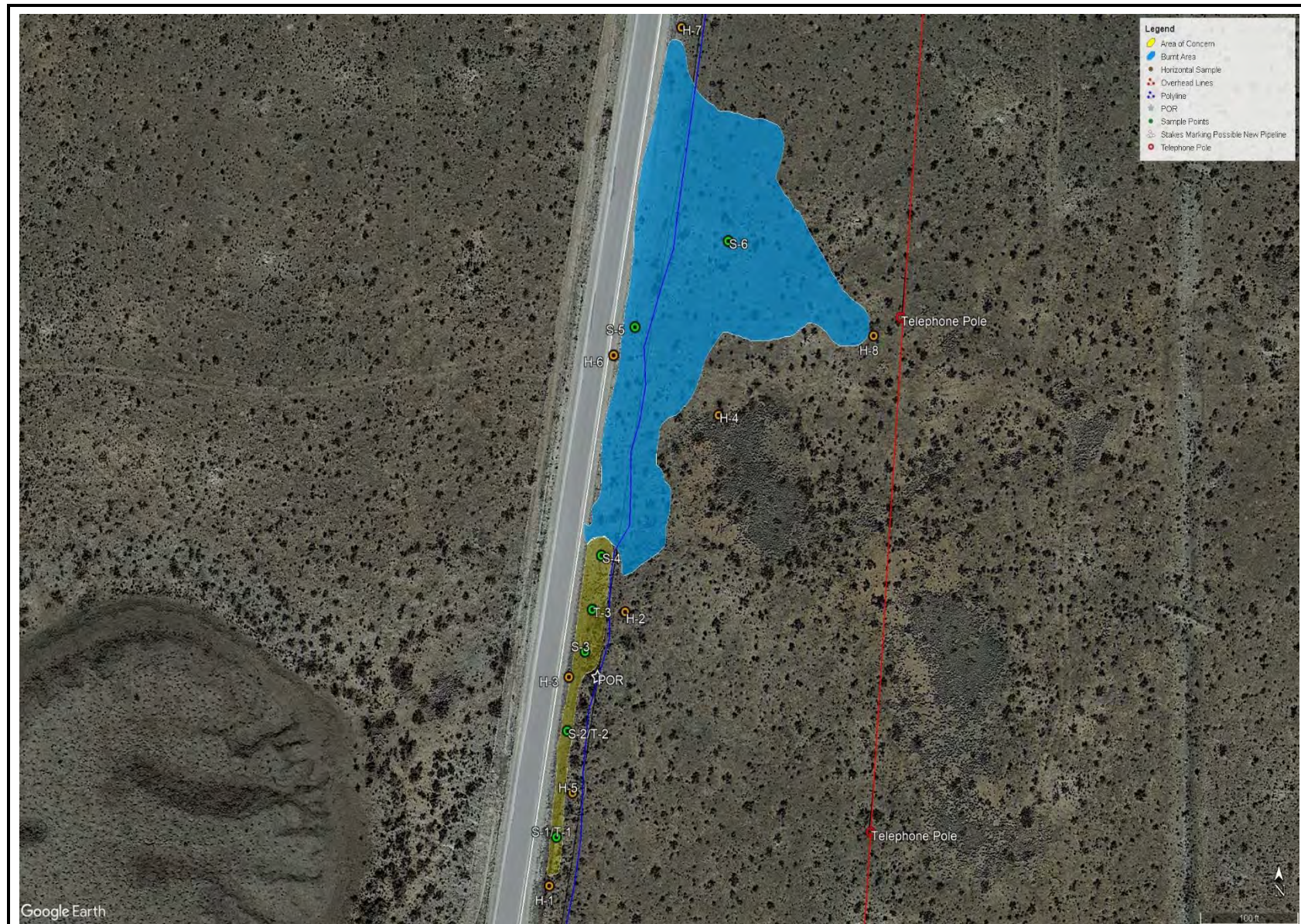




TOPOGRAPHIC MAP
 COG OPERATING, LLC
 MAN STATE 002H (03.15.2023)
 EDDY COUNTY, NEW MEXICO
 32.685523°, -104.216853°



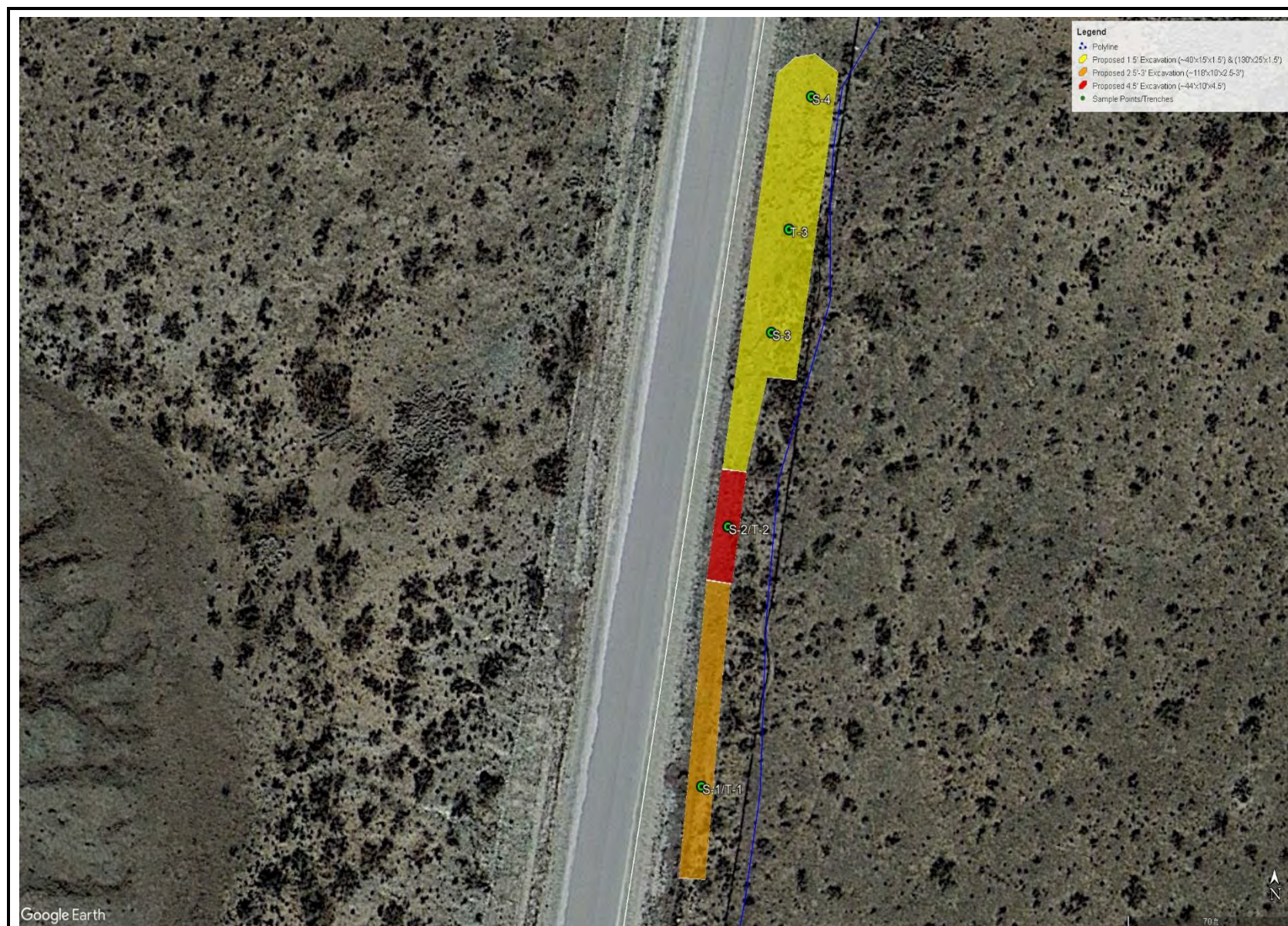
FIGURE 2



SAMPLE LOCATION MAP
COG OPERATING, LLC
MAN STATE 002H (03.15.2023)
EDDY COUNTY, NEW MEXICO
32.685523°, -104.216853°



FIGURE 3



PROPOSED EXCAVATION DEPTH MAP
COG OPERATING, LLC
MAN STATE 002H (03.15.2023)
EDDY COUNTY, NEW MEXICO
32.685523°, -104.216853°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Man State 002H (03.15.2023)
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						
S-1	3/30/2023	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	25,000
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22,500
T-1	4/13/2023	0-1	<49.9	<49.9	<49.9	<49.9	0.00274	0.00243	<0.00199	<0.00398	0.00517	20,500
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12,600
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,920
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
S-2	3/30/2023	0-0.25	<49.9	<49.9	<49.9	<49.9	0.00472	0.00459	<0.00200	<0.00399	0.00931	33,600
	"	0.5	<49.9	<49.9	<49.9	<49.9	0.00468	0.00320	<0.00199	<0.00398	0.00788	20,500
T-2	4/13/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21,200
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7,730
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,470
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	538
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,220
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	241
S-3	3/30/2023	0-0.25	<49.9	638	<49.9	638	0.00325	0.00431	<0.00198	<0.00396	0.00756	40,200
	"	0.5	<50.0	<50.0	<50.0	<50.0	0.00225	0.00763	<0.00200	<0.00401	0.00988	23,100
T-3	4/13/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45,700
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	295
S-4	3/30/2023	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11,200
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,230
S-5	3/30/2023	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	222
S-6	3/30/2023	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	36.1
H-1	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	95.3
H-2	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55.7
H-3	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	80.5
H-4	3/30/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.2
H-5	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	61.6
H-6	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.8
H-7	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	45.8
H-8	3/30/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	50.3
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Soil Sample

(T) - Trench via backhoe

(H) - Horizontal Sample

 Proposed Excavation

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View South, impacted area. Area of S-1.



Photograph No. 2

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View North, impacted area. Area of S-2.



Photograph No. 3

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View Southwest, impacted area. Area of S-3.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View East, impacted area. Area of S-3.



Photograph No. 5

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View South, impacted area. Area of S-3.



Photograph No. 6

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View North, burnt area. Area of S-4.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View Northwest, burnt area.



Photograph No. 8

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:

View Northeast, burnt area.



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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ 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? ☐ Yes ☐ 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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ 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>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Received by OCD: 6/15/2023 1:25:05 PM Convert Irregular shape into a series of rectangles								Total Estimated Contaminated Soil, uncompacted, 25% (yd ³ .)	Page 20 of 128 Current Rule of Thumb RMR Handover Volume (yd³.)
Length (ft.)	Width (ft.)	Average Depth (in.)	Off-Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)			
Rectangle A	50.0	4.0	1.0	Off-Pad	9.87%	2.97	0.29		
Rectangle B	10.0	15.0	0.1	Off-Pad	9.87%	0.22	0.02		
Rectangle C				Off-Pad	9.87%	0.00	0.00		
Rectangle D				Off-Pad	9.87%	0.00	0.00		
Rectangle E				Off-Pad	9.87%	0.00	0.00		
Rectangle F						0.00			750
Rectangle G						0.00			
Rectangle H						0.00			
Released to Imaging: 11/14/2023 11:30:00 AM						0.00			
Rectangle J						0.00			
Total Subsurface Volume Released:						0.3148		0.63	BU

Incident ID	NAPP2308628700
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?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2308628700
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: Jacqueline Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 06/15/2023

Incident ID	NAPP2308628700
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jacqueline Harris Date: _____

email: _____ Telephone: _____

OCD OnlyReceived by: Jocelyn Harimon Date: 06/15/2023☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Shelly Wells Date: 11/14/2023

APPENDIX D

CARMONA RESOURCES

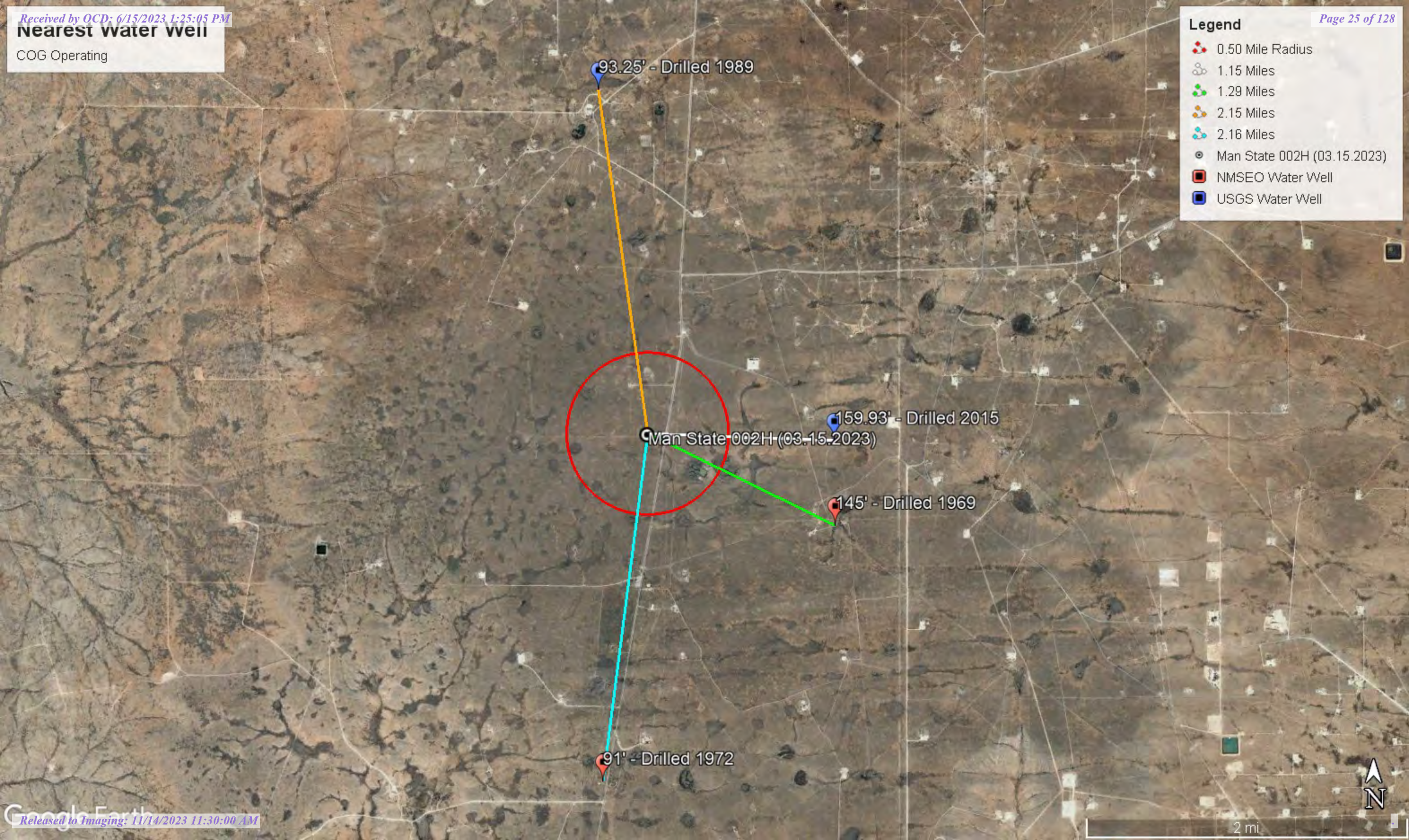


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.15 Miles
- 1.29 Miles
- 2.15 Miles
- 2.16 Miles
- Man State 002H (03.15.2023)
- NMSEO Water Well
- USGS Water Well



Low Karst

COG Operating

Legend

-  High
-  Low
-  Man State 002H (03.15.2023)
-  Medium

Man State 002H (03.15.2023)



2 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00478 POD1	CP	ED		1	1	4	05	19S	28E	575300	3617036*	2076	312	145	167
CP 00502	CP	ED		1	1	18	19S	28E	573001	3614478*	3479	100	91		9
CP 00836 POD1	CP	ED		1	1	18	19S	28E	573001	3614478*	3479	110			
CP 00837 POD1	CP	ED		1	1	18	19S	28E	573001	3614478*	3479	110			
CP 00838 POD1	CP	ED		1	1	18	19S	28E	573001	3614478*	3479	110			
CP 00361 POD1	CP	ED		3	1	3	09	19S	28E	576094	3615246*	3785	365	265	100
RA 09588	RA	ED		1	2	33	18S	28E	576976	3619384*	3835	300			

Average Depth to Water: **167 feet**

Minimum Depth: **91 feet**

Maximum Depth: **265 feet**

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 573426

Northing (Y): 3617931

Radius: 4000

*UTM location was derived from PLSS - see Help

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

4/3/23 9:09 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

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	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324154104115201

Minimum number of levels = 1

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

USGS 324154104115201 19S.28E.05.21114

Eddy County, New Mexico

Latitude 32°41'45.8", Longitude 104°11'48.7" NAD83

Land-surface elevation 3,543 feet above NAVD88

The depth of the well is 160 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

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1965-11-03			D 62610		3387.67	NGVD29	1		Z	
1965-11-03			D 62611		3389.24	NAVD88	1		Z	
1965-11-03			D 72019	153.76			1		Z	
1968-04-01			D 62610		3389.72	NGVD29	P		Z	
1968-04-01			D 62611		3391.29	NAVD88	P		Z	
1968-04-01			D 72019	151.71			P		Z	
1971-01-28			D 62610		3390.81	NGVD29	1		Z	
1971-01-28			D 62611		3392.38	NAVD88	1		Z	
1971-01-28			D 72019	150.62			1		Z	
1976-12-09			D 62610		3391.66	NGVD29	1		Z	
1976-12-09			D 62611		3393.23	NAVD88	1		Z	
1976-12-09			D 72019	149.77			1		Z	
1983-01-11			D 62610		3392.72	NGVD29	1		Z	
1983-01-11			D 62611		3394.29	NAVD88	1		Z	

4/3/23, 10:20 AM

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	
1983-01-11	D	72019	148.71		1	Z	
1986-06-03	D	62610	3392.57	NGVD29	1	S	
1986-06-03	D	62611	3394.14	NAVD88	1	S	
1986-06-03	D	72019	148.86		1	S	
1990-09-20	D	62610	3392.26	NGVD29	1	S	
1990-09-20	D	62611	3393.83	NAVD88	1	S	
1990-09-20	D	72019	149.17		1	S	
1994-03-09	D	62610	3391.25	NGVD29	1	S	
1994-03-09	D	62611	3392.82	NAVD88	1	S	
1994-03-09	D	72019	150.18		1	S	
1999-02-19	D	62610	3390.73	NGVD29	1	S	USGS
1999-02-19	D	62611	3392.30	NAVD88	1	S	USGS
1999-02-19	D	72019	150.70		1	S	USGS
2015-12-16 19:40 UTC	m	62610	3381.50	NGVD29	P	S	USGS
2015-12-16 19:40 UTC	m	62611	3383.07	NAVD88	P	S	USGS
2015-12-16 19:40 UTC	m	72019	159.93		P	S	USGS

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324154104115201&agency_cd=USGS&format=html)Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-04-03 11:17:04 EDT

0.34 0.31 nadww02

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	? S
------	------	---	------------------------	---	---	---------------------------------	--------



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
		1	1	4	05	19S	28E	575300	3617036*

Driller License:	406	Driller Company:	TIDWELL, CLYDE J.
Driller Name:	CLYDE TIDWELL		
Drill Start Date:	12/12/1969	Drill Finish Date:	12/23/1969
Log File Date:	01/02/1970	PCW Rev Date:	11/01/1971
Pump Type:	SUBMER	Pipe Discharge Size:	
Casing Size:	7.00	Depth Well:	312 feet

Water Bearing Stratifications:	Top	Bottom	Description
	150	160	Sandstone/Gravel/Conglomerate
	200	262	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	140	262

*UTM location was derived from PLSS - see Help

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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324339104131901

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

USGS 324339104131901 18S.28E.30.111123

Eddy County, New Mexico
Latitude 32°43'39", Longitude 104°13'19" NAD27
Land-surface elevation 3,570 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1948-12-02			D	62610	3431.37	NGVD29	P		Z	
1948-12-02			D	62611	3432.95	NAVD88	P		Z	
1948-12-02			D	72019	137.05		P		Z	
1983-04-13			D	62610	3475.77	NGVD29	1		Z	
1983-04-13			D	62611	3477.35	NAVD88	1		Z	
1983-04-13			D	72019	92.65		1		Z	
1989-02-22			D	62610	3475.17	NGVD29	1		Z	
1989-02-22			D	62611	3476.75	NAVD88	1		Z	
1989-02-22			D	72019	93.25		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
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
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-04-03 11:14:10 EDT
0.31 0.27 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
	CP 00502	1	1	18	19S	28E	573001	3614478*	

x

Driller License:

30

Driller Company:

BARRON, EMMETT

Driller Name:

BARRON, EMMETT

Drill Start Date:

03/23/1972

Drill Finish Date:

03/25/1972

Plug Date:

Log File Date:

04/05/1972

PCW Rev Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

5.25

Depth Well:

100 feet

Depth Water:

91 feet

x

Water Bearing Stratifications:

Top

Bottom

Description

95

100

Sandstone/Gravel/Conglomerate

x

*UTM location was derived from PLSS - see Help

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4/3/23 9:11 AM

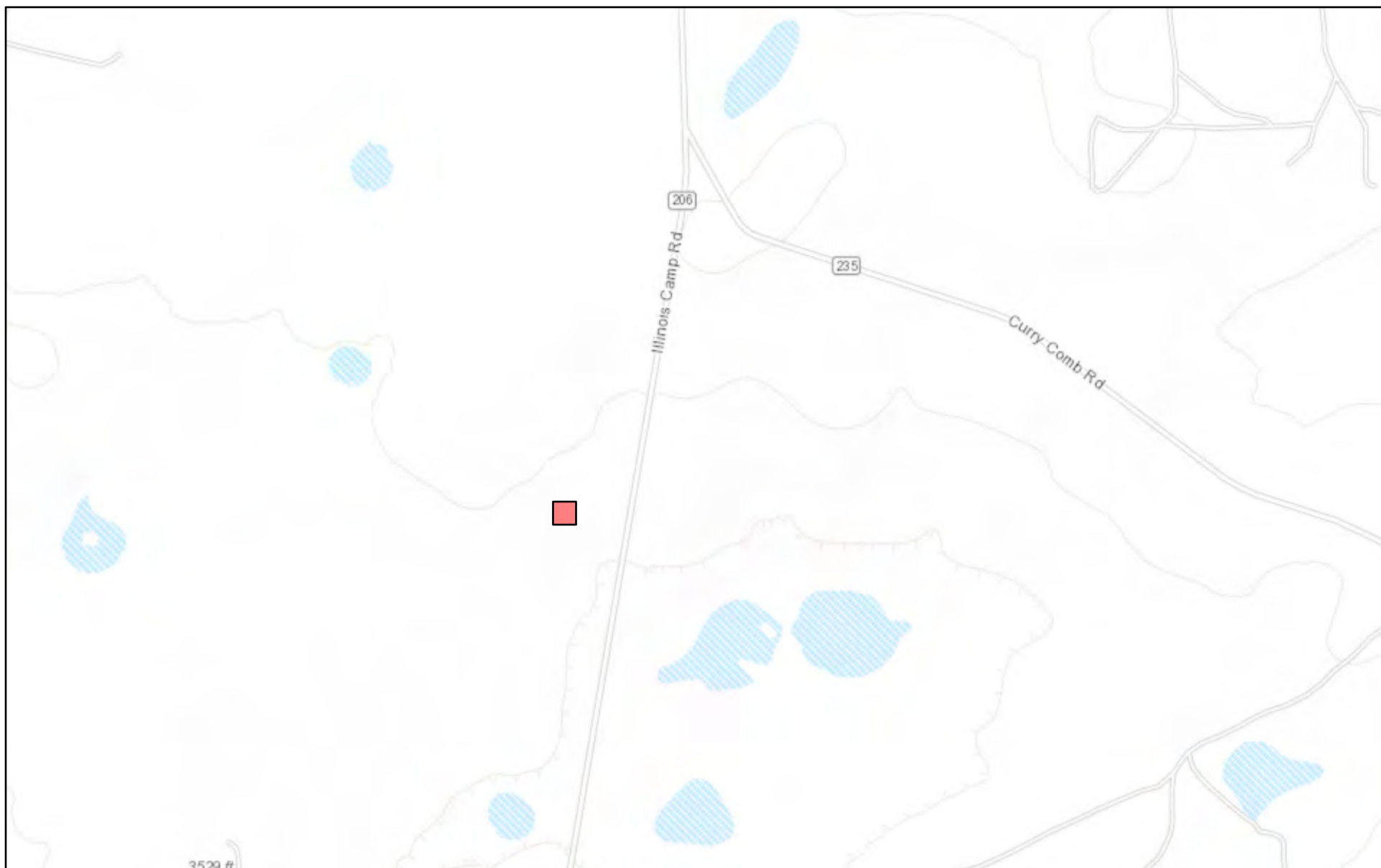
POINT OF DIVERSION SUMMARY

nmwrrs.ose.state.nm.us/nmwrrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=CP&nbr=00502&suffix=

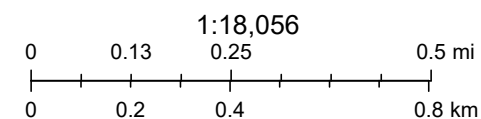
Released to Imaging: 11/14/2023 11:30:00 AM

1/1

New Mexico NFHL Data



April 3, 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: Mike Carmona
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 4/5/2023 10:58:24 AM

JOB DESCRIPTION

Man State 002H (03.15.23)
SDG NUMBER Eddy County, New Mexico

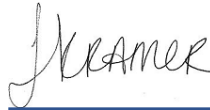
JOB NUMBER

880-26646-1

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
4/5/2023 10:58:24 AM

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

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Laboratory Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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QC Sample Results	13
QC Association Summary	17
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Certification Summary	23
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
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
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: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

Job ID: 880-26646-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-26646-1
-----------	------------------------------

Receipt

The samples were received on 3/31/2023 1:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

GC VOA

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

GC Semi VOA

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: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-1

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 17:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 17:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 17:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 09:46	04/04/23 17:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 17:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 09:46	04/04/23 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/03/23 09:46	04/04/23 17:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/03/23 09:46	04/04/23 17:21	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			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	04/01/23 09:27	04/03/23 02:27	1
o-Terphenyl	89		70 - 130	04/01/23 09:27	04/03/23 02:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.3		5.03		mg/Kg			04/03/23 16:34	1

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

Lab Sample ID: 880-26646-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:46	04/04/23 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:46	04/04/23 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/03/23 09:46	04/04/23 17:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/03/23 09:46	04/04/23 17:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				04/01/23 09:27	04/03/23 02:47	1
o-Terphenyl	81		70 - 130				04/01/23 09:27	04/03/23 02:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.7		4.96		mg/Kg			04/03/23 16:48	1

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

Lab Sample ID: 880-26646-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 18:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 18:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 18:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/03/23 09:46	04/04/23 18:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 18:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/03/23 09:46	04/04/23 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/03/23 09:46	04/04/23 18:03	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/03/23 09:46	04/04/23 18:03	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			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/01/23 09:27	04/03/23 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/01/23 09:27	04/03/23 03:08	1
o-Terphenyl	86		70 - 130				04/01/23 09:27	04/03/23 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.5		4.98		mg/Kg			04/03/23 16:52	1

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

Lab Sample ID: 880-26646-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 18:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 18:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 18:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:46	04/04/23 18:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 18:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:46	04/04/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/03/23 09:46	04/04/23 18:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/03/23 09:46	04/04/23 18:23	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			04/05/23 11:31	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			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/03/23 03:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/03/23 03:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/03/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/01/23 09:27	04/03/23 03:28	1
o-Terphenyl	84		70 - 130				04/01/23 09:27	04/03/23 03:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		4.96		mg/Kg			04/03/23 16:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-5

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 18:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/03/23 09:46	04/04/23 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/03/23 09:46	04/04/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/03/23 09:46	04/04/23 18:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/03/23 09:46	04/04/23 18:44	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			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				04/01/23 09:27	04/03/23 03:48	1
o-Terphenyl	83		70 - 130				04/01/23 09:27	04/03/23 03:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		5.01		mg/Kg			04/03/23 17:02	1

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

Lab Sample ID: 880-26646-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/03/23 09:46	04/04/23 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/03/23 09:46	04/04/23 19:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130				04/03/23 09:46	04/04/23 19:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				04/01/23 09:27	04/03/23 04:09	1
o-Terphenyl	84		70 - 130				04/01/23 09:27	04/03/23 04:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.8		4.97		mg/Kg			04/03/23 17:06	1

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

Lab Sample ID: 880-26646-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 19:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 09:46	04/04/23 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 19:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 09:46	04/04/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/03/23 09:46	04/04/23 19:25	1
1,4-Difluorobenzene (Surr)	126		70 - 130				04/03/23 09:46	04/04/23 19:25	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			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/01/23 09:27	04/03/23 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				04/01/23 09:27	04/03/23 04:30	1
o-Terphenyl	81		70 - 130				04/01/23 09:27	04/03/23 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.8		5.04		mg/Kg			04/03/23 17:11	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-26646-8

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:46	04/04/23 19:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 19:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 19:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/03/23 09:46	04/04/23 19:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:46	04/04/23 19:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/03/23 09:46	04/04/23 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/03/23 09:46	04/04/23 19:46	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/03/23 09:46	04/04/23 19:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/05/23 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/01/23 09:27	04/03/23 04:52	1
o-Terphenyl	80		70 - 130				04/01/23 09:27	04/03/23 04:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.3		5.04		mg/Kg			04/03/23 17:24	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
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)
880-26634-A-3-C MS	Matrix Spike	98	89
880-26634-A-3-D MSD	Matrix Spike Duplicate	93	89
880-26646-1	H-1 (0-0.5')	101	99
880-26646-2	H-2 (0-0.5')	105	96
880-26646-3	H-3 (0-0.5')	108	88
880-26646-4	H-4 (0-0.5')	100	92
880-26646-5	H-5 (0-0.5')	100	99
880-26646-6	H-6 (0-0.5')	103	90
880-26646-7	H-7 (0-0.5')	103	126
880-26646-8	H-8 (0-0.5')	104	95
LCS 880-50148/1-A	Lab Control Sample	97	90
LCSD 880-50148/2-A	Lab Control Sample Dup	93	91
MB 880-50148/5-A	Method Blank	97	80
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-26646-1	H-1 (0-0.5')	96	89
880-26646-2	H-2 (0-0.5')	89	81
880-26646-3	H-3 (0-0.5')	93	86
880-26646-4	H-4 (0-0.5')	92	84
880-26646-5	H-5 (0-0.5')	89	83
880-26646-6	H-6 (0-0.5')	89	84
880-26646-7	H-7 (0-0.5')	90	81
880-26646-8	H-8 (0-0.5')	88	80
880-26660-A-61-B MS	Matrix Spike	101	84
880-26660-A-61-C MSD	Matrix Spike Duplicate	110	92
LCS 880-50087/2-A	Lab Control Sample	124	111
LCSD 880-50087/3-A	Lab Control Sample Dup	125	113
MB 880-50087/1-A	Method Blank	123	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50148/5-A

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 50148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/23 09:46	04/04/23 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/23 09:46	04/04/23 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/03/23 09:46	04/04/23 11:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130	04/03/23 09:46	04/04/23 11:21	1

Lab Sample ID: LCS 880-50148/1-A

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09315		mg/Kg		93	70 - 130
Toluene	0.100	0.09893		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09269		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09584		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-50148/2-A

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08455		mg/Kg		85	70 - 130	10	35
Toluene	0.100	0.08681		mg/Kg		87	70 - 130	13	35
Ethylbenzene	0.100	0.07907		mg/Kg		79	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1628		mg/Kg		81	70 - 130	16	35
o-Xylene	0.100	0.08159		mg/Kg		82	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-26634-A-3-C MS

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 50148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08794		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.0996	0.09399		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26634-A-3-C MS

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 50148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.08527		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1768		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08796		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-26634-A-3-D MSD

Matrix: Solid

Analysis Batch: 50286

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 50148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09928		mg/Kg		100	70 - 130	12	35
Toluene	<0.00200	U	0.0990	0.1068		mg/Kg		108	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0990	0.1002		mg/Kg		101	70 - 130	16	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2049		mg/Kg		103	70 - 130	15	35
o-Xylene	<0.00200	U	0.0990	0.1004		mg/Kg		100	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-50087/1-A

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 50087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/02/23 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/02/23 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/02/23 20:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	04/01/23 09:27	04/02/23 20:09	1
o-Terphenyl	120		70 - 130	04/01/23 09:27	04/02/23 20:09	1

Lab Sample ID: LCS 880-50087/2-A

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1067		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	886.1		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-50087/2-A

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50087

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-50087/3-A

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	894.3		mg/Kg		89	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-26660-A-61-B MS

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 50087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1009		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	728.8		mg/Kg		73	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-26660-A-61-C MSD

Matrix: Solid

Analysis Batch: 50093

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 50087

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	998	1107		mg/Kg		107	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	806.5		mg/Kg		81	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50108/1-A

Matrix: Solid

Analysis Batch: 50200

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			04/03/23 15:53	1

Lab Sample ID: LCS 880-50108/2-A

Matrix: Solid

Analysis Batch: 50200

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-50108/3-A

Matrix: Solid

Analysis Batch: 50200

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	250.9		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-26646-7 MS

Matrix: Solid

Analysis Batch: 50200

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	45.8		252	301.3		mg/Kg		101	90 - 110

Lab Sample ID: 880-26646-7 MSD

Matrix: Solid

Analysis Batch: 50200

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	45.8		252	298.9		mg/Kg		100	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 50148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-50148/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50148/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50148/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26634-A-3-C MS	Matrix Spike	Total/NA	Solid	5035	
880-26634-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 50286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	8021B	50148
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	8021B	50148
MB 880-50148/5-A	Method Blank	Total/NA	Solid	8021B	50148
LCS 880-50148/1-A	Lab Control Sample	Total/NA	Solid	8021B	50148
LCSD 880-50148/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50148
880-26634-A-3-C MS	Matrix Spike	Total/NA	Solid	8021B	50148
880-26634-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	50148

Analysis Batch: 50401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 50087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 50087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-50087/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50087/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26660-A-61-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26660-A-61-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	50087
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	50087
MB 880-50087/1-A	Method Blank	Total/NA	Solid	8015B NM	50087
LCS 880-50087/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50087
LCSD 880-50087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50087
880-26660-A-61-B MS	Matrix Spike	Total/NA	Solid	8015B NM	50087
880-26660-A-61-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	50087

Analysis Batch: 50181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-26646-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-50108/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50108/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50108/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26646-7 MS	H-7 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 50108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-7 MSD	H-7 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 50200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-2	H-2 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-3	H-3 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-4	H-4 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-5	H-5 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-6	H-6 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-7	H-7 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-8	H-8 (0-0.5')	Soluble	Solid	300.0	50108
MB 880-50108/1-A	Method Blank	Soluble	Solid	300.0	50108
LCS 880-50108/2-A	Lab Control Sample	Soluble	Solid	300.0	50108
LCSD 880-50108/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50108
880-26646-7 MS	H-7 (0-0.5')	Soluble	Solid	300.0	50108
880-26646-7 MSD	H-7 (0-0.5')	Soluble	Solid	300.0	50108

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-1

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 02:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 16:34	SMC	EET MID

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

Lab Sample ID: 880-26646-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 02:47	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 16:48	SMC	EET MID

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

Lab Sample ID: 880-26646-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 03:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 16:52	SMC	EET MID

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

Lab Sample ID: 880-26646-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 16:57	SMC	EET MID

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

Lab Sample ID: 880-26646-5

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 03:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 17:02	SMC	EET MID

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

Lab Sample ID: 880-26646-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 17:06	SMC	EET MID

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

Lab Sample ID: 880-26646-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 04:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26646-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 17:11	SMC	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-26646-8

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50200	04/03/23 17:24	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
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- 10
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- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26646-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26646-1	H-1 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-2	H-2 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-3	H-3 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-4	H-4 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-5	H-5 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-6	H-6 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-7	H-7 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26646-8	H-8 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55

Work Order No: 26646

Page 1 of 1

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

Project Name: Man State 002H (03 15 2023)		Turn Around		Pres. Code	
Project Number: 2010		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 72 Hrs			
Sampler's Name: MM / GPJ					
PO #:					

SAMPLE RECEIPT				Parameters		# of Cont
Received Intact:		Temp Blank	Yes	No	Grab/Comp	
Cooler Custody Seals:		Yes	No			
Sample Custody Seals:		Yes	No			
Total Containers:		Yes	No			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	Parameters	Pres. Code
H-1 (0-0.5')	3/30/2023		X		G	1	
H-2 (0-0.5')	3/30/2023		X		G	1	
H-3 (0-0.5')	3/30/2023		X		G	1	
H-4 (0-0.5')	3/30/2023		X		G	1	
H-5 (0-0.5')	3/30/2023		X		G	1	
H-6 (0-0.5')	3/30/2023		X		G	1	
H-7 (0-0.5')	3/30/2023		X		G	1	
H-8 (0-0.5')	3/30/2023		X		G	1	

ANALYSIS REQUEST		Preservative Codes	
		None	DI Water H ₂ O
		Cool	MeOH Me
		HCL HC	HNO ₃ HN
		H ₂ SO ₄ H ₂	NaOH Na
		H ₃ PO ₄ HP	
		NaHSO ₄ NABIS	
		Na ₂ S ₂ O ₃ NaSO ₃	
		Zn Acetate+NaOH Zn	
		NaOH+Ascorbic Acid SAPC	

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other ☐	

SAMPLE COMMENTS	
402	

Barcode: 880-26646 Chain of Custody	
-------------------------------------	--

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

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26646-1

SDG Number: Eddy County, New Mexico

Login Number: 26646

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701
Generated 4/4/2023 4:43:05 PM

JOB DESCRIPTION

Man State 002H (03.15.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-26647-1

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
4/4/2023 4:43:05 PM

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

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Laboratory Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
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
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Job ID: 880-26647-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-26647-1
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Receipt
The samples were received on 3/31/2023 1:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

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

GC Semi VOA
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: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-1

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/03/23 09:52	04/04/23 12:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/03/23 09:52	04/04/23 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/03/23 09:52	04/04/23 12:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/03/23 09:52	04/04/23 12:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/01/23 09:23	04/02/23 21:10	1
o-Terphenyl	90		70 - 130	04/01/23 09:23	04/02/23 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25000		251		mg/Kg			04/03/23 17:29	50

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-26647-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:52	04/04/23 12:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 12:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/03/23 09:52	04/04/23 12:24	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/03/23 09:52	04/04/23 12:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-26647-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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			04/04/23 17:27	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			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 22:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 22:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/01/23 09:23	04/02/23 22:17	1
o-Terphenyl	90		70 - 130				04/01/23 09:23	04/02/23 22:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22500		250		mg/Kg			04/03/23 17:43	50

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

Lab Sample ID: 880-26647-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00472		0.00200		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
Toluene	0.00459		0.00200		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/03/23 09:52	04/04/23 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/03/23 09:52	04/04/23 12:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130				04/03/23 09:52	04/04/23 12:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00931		0.00399		mg/Kg			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 22:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/01/23 09:23	04/02/23 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/01/23 09:23	04/02/23 22:39	1
o-Terphenyl	106		70 - 130				04/01/23 09:23	04/02/23 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33600		249		mg/Kg			04/03/23 17:47	50

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-26647-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00468		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
Toluene	0.00320		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/03/23 09:52	04/04/23 13:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/03/23 09:52	04/04/23 13:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00788		0.00398		mg/Kg			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/01/23 09:23	04/02/23 23:01	1
o-Terphenyl	89		70 - 130				04/01/23 09:23	04/02/23 23:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20500		250		mg/Kg			04/03/23 17:52	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-5

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00325		0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	1
Toluene	0.00431		0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/03/23 09:52	04/04/23 13:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/03/23 09:52	04/04/23 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/03/23 09:52	04/04/23 13:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/03/23 09:52	04/04/23 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00756		0.00396		mg/Kg			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	638		49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	1
Diesel Range Organics (Over C10-C28)	638		49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/01/23 09:23	04/02/23 23:22	1
o-Terphenyl	93		70 - 130	04/01/23 09:23	04/02/23 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40200		248		mg/Kg			04/03/23 17:56	50

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-26647-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00225		0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	1
Toluene	0.00763		0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 09:52	04/04/23 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 09:52	04/04/23 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/03/23 09:52	04/04/23 13:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/03/23 09:52	04/04/23 13:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-26647-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00988		0.00401		mg/Kg			04/04/23 17:27	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			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/01/23 09:23	04/02/23 23:44	1
o-Terphenyl	90		70 - 130				04/01/23 09:23	04/02/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23100		253		mg/Kg			04/03/23 18:01	50

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

Lab Sample ID: 880-26647-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:52	04/04/23 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 14:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 09:52	04/04/23 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 14:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 09:52	04/04/23 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/03/23 09:52	04/04/23 14:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/03/23 09:52	04/04/23 14:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/04/23 17:27	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			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/03/23 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/03/23 00:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/01/23 09:23	04/03/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/01/23 09:23	04/03/23 00:05	1
o-Terphenyl	89		70 - 130				04/01/23 09:23	04/03/23 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		100		mg/Kg			04/03/23 18:06	20

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-26647-8

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:52	04/04/23 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/03/23 09:52	04/04/23 14:27	1
1,4-Difluorobenzene (Surr)	109		70 - 130				04/03/23 09:52	04/04/23 14:27	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			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/01/23 09:23	04/03/23 00:27	1
o-Terphenyl	90		70 - 130				04/01/23 09:23	04/03/23 00:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6230		50.0		mg/Kg			04/03/23 18:10	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-9

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:52	04/04/23 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/03/23 09:52	04/04/23 14:47	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/03/23 09:52	04/04/23 14:47	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			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/01/23 09:23	04/03/23 00:48	1
o-Terphenyl	90		70 - 130	04/01/23 09:23	04/03/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		5.02		mg/Kg			04/03/23 19:18	1

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-26647-10

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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		04/03/23 09:52	04/04/23 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/03/23 09:52	04/04/23 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/03/23 09:52	04/04/23 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/03/23 09:52	04/04/23 15:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/03/23 09:52	04/04/23 15:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-26647-10

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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			04/04/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 01:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 01:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				04/01/23 09:23	04/03/23 01:09	1
o-Terphenyl	101		70 - 130				04/01/23 09:23	04/03/23 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		5.00		mg/Kg			04/03/23 19:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
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	DFBZ1				
		(70-130)	(70-130)				
880-26647-1	S-1 (0-0.25')	94	103				
880-26647-1 MS	S-1 (0-0.25')	103	110				
880-26647-1 MSD	S-1 (0-0.25')	106	107				
880-26647-2	S-1 (0.5')	104	107				
880-26647-3	S-2 (0-0.25')	101	110				
880-26647-4	S-2 (0.5')	100	107				
880-26647-5	S-3 (0-0.25')	97	107				
880-26647-6	S-3 (0.5')	98	105				
880-26647-7	S-4 (0-0.25')	101	107				
880-26647-8	S-4 (0.5')	101	109				
880-26647-9	S-5 (0-0.25')	101	102				
880-26647-10	S-6 (0-0.25')	100	106				
LCS 880-50149/1-A	Lab Control Sample	98	108				
LCSD 880-50149/2-A	Lab Control Sample Dup	99	108				
MB 880-50149/5-A	Method Blank	91	100				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-26647-1	S-1 (0-0.25')	102	90				
880-26647-1 MS	S-1 (0-0.25')	115	89				
880-26647-1 MSD	S-1 (0-0.25')	113	88				
880-26647-2	S-1 (0.5')	102	90				
880-26647-3	S-2 (0-0.25')	122	106				
880-26647-4	S-2 (0.5')	103	89				
880-26647-5	S-3 (0-0.25')	105	93				
880-26647-6	S-3 (0.5')	103	90				
880-26647-7	S-4 (0-0.25')	103	89				
880-26647-8	S-4 (0.5')	105	90				
880-26647-9	S-5 (0-0.25')	102	90				
880-26647-10	S-6 (0-0.25')	118	101				
LCS 880-50085/2-A	Lab Control Sample	109	94				
LCSD 880-50085/3-A	Lab Control Sample Dup	94	78				
MB 880-50085/1-A	Method Blank	123	108				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50149/5-A

Matrix: Solid

Analysis Batch: 50287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 50149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/23 09:52	04/04/23 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/23 09:52	04/04/23 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	04/03/23 09:52	04/04/23 11:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/03/23 09:52	04/04/23 11:35	1

Lab Sample ID: LCS 880-50149/1-A

Matrix: Solid

Analysis Batch: 50287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09152		mg/Kg		92	70 - 130
Toluene	0.100	0.08825		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.07962		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1560		mg/Kg		78	70 - 130
o-Xylene	0.100	0.08031		mg/Kg		80	70 - 130

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

Lab Sample ID: LCSD 880-50149/2-A

Matrix: Solid

Analysis Batch: 50287

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50149

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09302		mg/Kg		93	70 - 130	2	35
Toluene	0.100	0.08967		mg/Kg		90	70 - 130	2	35
Ethylbenzene	0.100	0.08195		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1605		mg/Kg		80	70 - 130	3	35
o-Xylene	0.100	0.08234		mg/Kg		82	70 - 130	2	35

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

Lab Sample ID: 880-26647-1 MS

Matrix: Solid

Analysis Batch: 50287

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

Prep Type: Total/NA

Prep Batch: 50149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09752		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.100	0.09143		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-1 MS

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 50287

Prep Batch: 50149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.07894		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1541		mg/Kg		77	70 - 130
o-Xylene	<0.00202	U	0.100	0.07776		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-26647-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 50287

Prep Batch: 50149

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	0.09192		mg/Kg		92	70 - 130	6	35
Toluene	<0.00202	U	0.0990	0.08562		mg/Kg		85	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0990	0.07487		mg/Kg		75	70 - 130	5	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1458		mg/Kg		74	70 - 130	6	35
o-Xylene	<0.00202	U	0.0990	0.07325		mg/Kg		73	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-50085/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 50089

Prep Batch: 50085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	04/01/23 09:23	04/02/23 20:04	1
o-Terphenyl	108		70 - 130	04/01/23 09:23	04/02/23 20:04	1

Lab Sample ID: LCS 880-50085/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 50089

Prep Batch: 50085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.9		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	791.8		mg/Kg		79	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-50085/2-A

Matrix: Solid

Analysis Batch: 50089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50085

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-50085/3-A

Matrix: Solid

Analysis Batch: 50089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	869.8		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	946.4		mg/Kg		95	70 - 130	18	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-26647-1 MS

Matrix: Solid

Analysis Batch: 50089

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

Prep Type: Total/NA

Prep Batch: 50085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1080		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1003		mg/Kg		99	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-26647-1 MSD

Matrix: Solid

Analysis Batch: 50089

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

Prep Type: Total/NA

Prep Batch: 50085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	995.1		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	987.0		mg/Kg		97	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	88		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50109/1-A

Matrix: Solid

Analysis Batch: 50197

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			04/03/23 19:04	1

Lab Sample ID: LCS 880-50109/2-A

Matrix: Solid

Analysis Batch: 50197

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-50109/3-A

Matrix: Solid

Analysis Batch: 50197

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	255.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-26647-9 MS

Matrix: Solid

Analysis Batch: 50197

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	222		251	475.3		mg/Kg		101	90 - 110

Lab Sample ID: 880-26647-9 MSD

Matrix: Solid

Analysis Batch: 50197

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	222		251	473.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-50108/1-A

Matrix: Solid

Analysis Batch: 50200

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			04/03/23 15:53	1

Lab Sample ID: LCS 880-50108/2-A

Matrix: Solid

Analysis Batch: 50200

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-50108/3-A

Matrix: Solid

Analysis Batch: 50200

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	250.9		mg/Kg		100	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-26646-A-7-E MS
Matrix: Solid
Analysis Batch: 50200

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	45.8		252	301.3		mg/Kg		101	90 - 110		

Lab Sample ID: 880-26646-A-7-F MSD
Matrix: Solid
Analysis Batch: 50200

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	45.8		252	298.9		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 50149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	5035	
880-26647-2	S-1 (0.5')	Total/NA	Solid	5035	
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	5035	
880-26647-4	S-2 (0.5')	Total/NA	Solid	5035	
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	5035	
880-26647-6	S-3 (0.5')	Total/NA	Solid	5035	
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	5035	
880-26647-8	S-4 (0.5')	Total/NA	Solid	5035	
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	5035	
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	5035	
MB 880-50149/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50149/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50149/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26647-1 MS	S-1 (0-0.25')	Total/NA	Solid	5035	
880-26647-1 MSD	S-1 (0-0.25')	Total/NA	Solid	5035	

Analysis Batch: 50287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-2	S-1 (0.5')	Total/NA	Solid	8021B	50149
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-4	S-2 (0.5')	Total/NA	Solid	8021B	50149
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-6	S-3 (0.5')	Total/NA	Solid	8021B	50149
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-8	S-4 (0.5')	Total/NA	Solid	8021B	50149
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	8021B	50149
MB 880-50149/5-A	Method Blank	Total/NA	Solid	8021B	50149
LCS 880-50149/1-A	Lab Control Sample	Total/NA	Solid	8021B	50149
LCSD 880-50149/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50149
880-26647-1 MS	S-1 (0-0.25')	Total/NA	Solid	8021B	50149
880-26647-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8021B	50149

Analysis Batch: 50333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-26647-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-26647-4	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-26647-6	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	Total BTEX	
880-26647-8	S-4 (0.5')	Total/NA	Solid	Total BTEX	
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	Total BTEX	
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 50085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-4	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-6	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-8	S-4 (0.5')	Total/NA	Solid	8015NM Prep	
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	8015NM Prep	
MB 880-50085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26647-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-26647-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-2	S-1 (0.5')	Total/NA	Solid	8015B NM	50085
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-4	S-2 (0.5')	Total/NA	Solid	8015B NM	50085
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-6	S-3 (0.5')	Total/NA	Solid	8015B NM	50085
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-8	S-4 (0.5')	Total/NA	Solid	8015B NM	50085
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	8015B NM	50085
MB 880-50085/1-A	Method Blank	Total/NA	Solid	8015B NM	50085
LCS 880-50085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50085
LCSD 880-50085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50085
880-26647-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015B NM	50085
880-26647-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015B NM	50085

Analysis Batch: 50201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-26647-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-26647-3	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-26647-4	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-26647-5	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-26647-6	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-26647-7	S-4 (0-0.25')	Total/NA	Solid	8015 NM	
880-26647-8	S-4 (0.5')	Total/NA	Solid	8015 NM	
880-26647-9	S-5 (0-0.25')	Total/NA	Solid	8015 NM	
880-26647-10	S-6 (0-0.25')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 50108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-26647-3	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-4	S-2 (0.5')	Soluble	Solid	DI Leach	
880-26647-5	S-3 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-6	S-3 (0.5')	Soluble	Solid	DI Leach	
880-26647-7	S-4 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-8	S-4 (0.5')	Soluble	Solid	DI Leach	
MB 880-50108/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50108/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50108/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26646-A-7-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-26646-A-7-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 50109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-9	S-5 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-10	S-6 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-50109/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50109/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50109/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26647-9 MS	S-5 (0-0.25')	Soluble	Solid	DI Leach	
880-26647-9 MSD	S-5 (0-0.25')	Soluble	Solid	DI Leach	

Analysis Batch: 50197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-9	S-5 (0-0.25')	Soluble	Solid	300.0	50109
880-26647-10	S-6 (0-0.25')	Soluble	Solid	300.0	50109
MB 880-50109/1-A	Method Blank	Soluble	Solid	300.0	50109
LCS 880-50109/2-A	Lab Control Sample	Soluble	Solid	300.0	50109
LCSD 880-50109/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50109
880-26647-9 MS	S-5 (0-0.25')	Soluble	Solid	300.0	50109
880-26647-9 MSD	S-5 (0-0.25')	Soluble	Solid	300.0	50109

Analysis Batch: 50200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26647-1	S-1 (0-0.25')	Soluble	Solid	300.0	50108
880-26647-2	S-1 (0.5')	Soluble	Solid	300.0	50108
880-26647-3	S-2 (0-0.25')	Soluble	Solid	300.0	50108
880-26647-4	S-2 (0.5')	Soluble	Solid	300.0	50108
880-26647-5	S-3 (0-0.25')	Soluble	Solid	300.0	50108
880-26647-6	S-3 (0.5')	Soluble	Solid	300.0	50108
880-26647-7	S-4 (0-0.25')	Soluble	Solid	300.0	50108
880-26647-8	S-4 (0.5')	Soluble	Solid	300.0	50108
MB 880-50108/1-A	Method Blank	Soluble	Solid	300.0	50108
LCS 880-50108/2-A	Lab Control Sample	Soluble	Solid	300.0	50108
LCSD 880-50108/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50108
880-26646-A-7-E MS	Matrix Spike	Soluble	Solid	300.0	50108
880-26646-A-7-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	50108

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-1

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 21:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 17:29	SMC	EET MID

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-26647-2

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 22:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 17:43	SMC	EET MID

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

Lab Sample ID: 880-26647-3

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 17:47	SMC	EET MID

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-26647-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-26647-4

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 23:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 17:52	SMC	EET MID

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

Lab Sample ID: 880-26647-5

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 17:56	SMC	EET MID

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-26647-6

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/02/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	50200	04/03/23 18:01	SMC	EET MID

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

Lab Sample ID: 880-26647-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/03/23 00:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-26647-7

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	50200	04/03/23 18:06	SMC	EET MID

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-26647-8

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/03/23 00:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50108	04/03/23 06:35	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	50200	04/03/23 18:10	SMC	EET MID

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

Lab Sample ID: 880-26647-9

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/03/23 00:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50109	04/03/23 06:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50197	04/03/23 19:18	SMC	EET MID

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-26647-10

Date Collected: 03/30/23 00:00

Matrix: Solid

Date Received: 03/31/23 13:55

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	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/03/23 01:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50109	04/03/23 06:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50197	04/03/23 19:33	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

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: Man State 002H (03.15.23)

Job ID: 880-26647-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.23)

Job ID: 880-26647-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26647-1	S-1 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-2	S-1 (0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-3	S-2 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-4	S-2 (0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-5	S-3 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-6	S-3 (0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-7	S-4 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-8	S-4 (0.5')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-9	S-5 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55
880-26647-10	S-6 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55

Work Order No: 20647

Page 1 of 1

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

Project Name: Man State 002H (03.15.2023)		Turn Around		Pres. Code	
Project Number: 2010		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 72 Hrs			
Sampler's Name: MM / GPJ					
PO #:					

SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No	
Received Intact:		(Yes) No		Thermometer ID		Correction Factor		-1.30	
Cooler Custody Seals		Yes No		M/A		Temperature Reading		-1.8	
Sample Custody Seals		Yes No		M/A		Corrected Temperature		1.8	
Total Containers									

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-1 (0-0.25')	3/30/2023		X		G	1	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0				None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
S-1 (0 5')	3/30/2023		X		G	1					
S-2 (0-0.25')	3/30/2023		X		G	1					
S-2 (0 5')	3/30/2023		X		G	1					
S-3 (0-0.25')	3/30/2023		X		G	1					
S-3 (0 5')	3/30/2023		X		G	1					
S-4 (0-0.25')	3/30/2023		X		G	1	880-26647 Chain of Custody				
S-4 (0 5')	3/30/2023		X		G	1					
S-5 (0-0.25')	3/30/2023		X		G	1					
S-6 (0-0.25')	3/30/2023		X		G	1					

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

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

3-31-23
1558

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26647-1

SDG Number: Eddy County, New Mexico

Login Number: 26647

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/20/2023 6:58:24 PM

JOB DESCRIPTION

Man State 002H (03.15.2023)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-27268-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/20/2023 6:58:24 PM

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

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Laboratory Job ID: 880-27268-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
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
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Job ID: 880-27268-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-27268-1****Receipt**

The samples were received on 4/18/2023 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-51348 recovered under the lower control limit for Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

GC Semi VOA

Method 8015MOD_NM: CCV biased high however an acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.(CCV 880-51381/20)

Method 8015MOD_NM: CCV biased low however an acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.(CCV 880-51381/58)

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-51499 and analytical batch 880-51636 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.T-1 (0-1') (880-27268-1) and T-1 (1.5') (880-27268-2)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-51499 and 880-51499 and analytical batch 880-51636 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.T-1 (2') (880-27268-3), T-1 (3') (880-27268-4), T-2 (0-1') (880-27268-5), T-2 (1.5') (880-27268-6), T-2 (2') (880-27268-7), T-2 (3') (880-27268-8), T-2 (4') (880-27268-9), T-2 (5') (880-27268-10), T-3 (0-1') (880-27268-11), T-3 (1') (880-27268-12), (880-27268-A-3-D MS) and (880-27268-A-3-E MSD)

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: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-27268-1

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00274		0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Toluene	0.00243		0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				04/18/23 10:30	04/18/23 22:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130				04/18/23 10:30	04/18/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00517		0.00398		mg/Kg			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 21:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 21:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				04/18/23 13:47	04/18/23 21:40	1
o-Terphenyl	106		70 - 130				04/18/23 13:47	04/18/23 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20500		251		mg/Kg			04/20/23 04:53	50

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-27268-2

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/18/23 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/18/23 10:30	04/18/23 22:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/18/23 10:30	04/18/23 22:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-27268-2

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 22:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 22:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/18/23 13:47	04/18/23 22:45	1
o-Terphenyl	97		70 - 130				04/18/23 13:47	04/18/23 22:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12600		99.8		mg/Kg			04/20/23 04:58	20

Client Sample ID: T-1 (2')

Lab Sample ID: 880-27268-3

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/18/23 23:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 23:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 23:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/18/23 10:30	04/18/23 23:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 23:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/18/23 10:30	04/18/23 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				04/18/23 10:30	04/18/23 23:14	1
1,4-Difluorobenzene (Surr)	77		70 - 130				04/18/23 10:30	04/18/23 23:14	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			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 23:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-27268-3

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 13:47	04/18/23 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/18/23 13:47	04/18/23 23:06	1
o-Terphenyl	97		70 - 130				04/18/23 13:47	04/18/23 23:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7920	F1	50.3		mg/Kg			04/20/23 05:03	10

Client Sample ID: T-1 (3')

Lab Sample ID: 880-27268-4

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/18/23 23:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/18/23 10:30	04/18/23 23:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/18/23 10:30	04/18/23 23:35	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			04/19/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/18/23 23:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/18/23 23:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/18/23 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/18/23 13:47	04/18/23 23:27	1
o-Terphenyl	96		70 - 130				04/18/23 13:47	04/18/23 23:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		5.05		mg/Kg			04/20/23 05:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-27268-5

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/18/23 23:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	04/18/23 10:30	04/18/23 23:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/18/23 10:30	04/18/23 23:55	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			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 23:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	04/18/23 13:47	04/18/23 23:48	1
o-Terphenyl	107		70 - 130	04/18/23 13:47	04/18/23 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21200		251		mg/Kg			04/20/23 05:22	50

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-27268-6

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/19/23 00:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 00:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/19/23 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 00:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/19/23 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	04/18/23 10:30	04/19/23 00:16	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/18/23 10:30	04/19/23 00:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-27268-6

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/19/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				04/18/23 13:47	04/19/23 00:10	1
o-Terphenyl	101		70 - 130				04/18/23 13:47	04/19/23 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7730		49.8		mg/Kg			04/20/23 05:37	10

Client Sample ID: T-2 (2')

Lab Sample ID: 880-27268-7

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/23 10:30	04/19/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				04/18/23 10:30	04/19/23 00:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/18/23 10:30	04/19/23 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-27268-7

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 13:47	04/19/23 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				04/18/23 13:47	04/19/23 00:31	1
o-Terphenyl	104		70 - 130				04/18/23 13:47	04/19/23 00:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3470		24.9		mg/Kg			04/20/23 05:41	5

Client Sample ID: T-2 (3')

Lab Sample ID: 880-27268-8

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/18/23 10:30	04/19/23 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/18/23 10:30	04/19/23 00:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/18/23 10:30	04/19/23 00:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				04/18/23 13:47	04/19/23 00:53	1
o-Terphenyl	99		70 - 130				04/18/23 13:47	04/19/23 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	538		4.99		mg/Kg			04/20/23 05:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-27268-9

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/19/23 01:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/19/23 01:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/19/23 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/18/23 10:30	04/19/23 01:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/18/23 10:30	04/19/23 01:17	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			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				04/18/23 13:47	04/19/23 01:14	1
o-Terphenyl	94		70 - 130				04/18/23 13:47	04/19/23 01:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		25.2		mg/Kg			04/20/23 05:51	5

Client Sample ID: T-2 (5')

Lab Sample ID: 880-27268-10

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/19/23 01:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 01:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 01:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/19/23 01:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 01:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/19/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				04/18/23 10:30	04/19/23 01:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/18/23 10:30	04/19/23 01:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (5')

Lab Sample ID: 880-27268-10

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				04/18/23 13:47	04/19/23 01:35	1
o-Terphenyl	105		70 - 130				04/18/23 13:47	04/19/23 01:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		5.00		mg/Kg			04/20/23 05:56	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-27268-11

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/23 10:30	04/19/23 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/18/23 10:30	04/19/23 03:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/18/23 10:30	04/19/23 03:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/19/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 02:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 02:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-27268-11

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				04/18/23 13:47	04/19/23 02:17	1
o-Terphenyl	98		70 - 130				04/18/23 13:47	04/19/23 02:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45700		248		mg/Kg			04/20/23 06:01	50

Client Sample ID: T-3 (1')

Lab Sample ID: 880-27268-12

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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		04/18/23 10:30	04/19/23 03:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 03:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 03:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/18/23 10:30	04/19/23 03:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 03:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/18/23 10:30	04/19/23 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/18/23 10:30	04/19/23 03:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/18/23 10:30	04/19/23 03:22	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			04/19/23 12:24	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			04/19/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 02:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 02:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				04/18/23 13:47	04/19/23 02:38	1
o-Terphenyl	93		70 - 130				04/18/23 13:47	04/19/23 02:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.03		mg/Kg			04/20/23 06:05	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
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)
880-27268-1	T-1 (0-1')	97	82
880-27268-1 MS	T-1 (0-1')	126	107
880-27268-1 MSD	T-1 (0-1')	123	111
880-27268-2	T-1 (1.5')	103	86
880-27268-3	T-1 (2')	107	77
880-27268-4	T-1 (3')	112	87
880-27268-5	T-2 (0-1')	84	90
880-27268-6	T-2 (1.5')	96	79
880-27268-7	T-2 (2')	88	91
880-27268-8	T-2 (3')	103	92
880-27268-9	T-2 (4')	100	95
880-27268-10	T-2 (5')	96	98
880-27268-11	T-3 (0-1')	101	101
880-27268-12	T-3 (1')	100	101
LCS 880-51388/1-A	Lab Control Sample	114	109
LCSD 880-51388/2-A	Lab Control Sample Dup	121	93
MB 880-51361/5-A	Method Blank	73	84
MB 880-51388/5-B	Method Blank	77	79
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-27268-1	T-1 (0-1')	80	106
880-27268-1 MS	T-1 (0-1')	85	95
880-27268-1 MSD	T-1 (0-1')	83	94
880-27268-2	T-1 (1.5')	75	97
880-27268-3	T-1 (2')	76	97
880-27268-4	T-1 (3')	76	96
880-27268-5	T-2 (0-1')	86	107
880-27268-6	T-2 (1.5')	80	101
880-27268-7	T-2 (2')	79	104
880-27268-8	T-2 (3')	76	99
880-27268-9	T-2 (4')	75	94
880-27268-10	T-2 (5')	79	105
880-27268-11	T-3 (0-1')	77	98
880-27268-12	T-3 (1')	74	93
LCS 880-51415/2-A	Lab Control Sample	90	107
LCSD 880-51415/3-A	Lab Control Sample Dup	92	113
MB 880-51415/1-A	Method Blank	85	115
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51361/5-A

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/23 08:38	04/18/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 08:38	04/18/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 08:38	04/18/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/18/23 08:38	04/18/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 08:38	04/18/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/23 08:38	04/18/23 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	04/18/23 08:38	04/18/23 11:30	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/18/23 08:38	04/18/23 11:30	1

Lab Sample ID: MB 880-51388/5-B

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/18/23 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/18/23 22:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	04/18/23 10:30	04/18/23 22:11	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/18/23 10:30	04/18/23 22:11	1

Lab Sample ID: LCS 880-51388/1-A

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09353		mg/Kg		94	70 - 130
Toluene	0.100	0.08784		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09212		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.2008		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130

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

Lab Sample ID: LCSD 880-51388/2-A

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09875		mg/Kg		99	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-51388/2-A

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09618		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2195		mg/Kg		110	70 - 130	9	35
o-Xylene	0.100	0.1155		mg/Kg		115	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-27268-1 MS

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 51388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00274		0.0998	0.08153		mg/Kg		79	70 - 130
Toluene	0.00243		0.0998	0.07293		mg/Kg		71	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.07418		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1512		mg/Kg		76	70 - 130
o-Xylene	<0.00199	U	0.0998	0.07762		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-27268-1 MSD

Matrix: Solid

Analysis Batch: 51348

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 51388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00274		0.0990	0.08750		mg/Kg		86	70 - 130	7	35
Toluene	0.00243		0.0990	0.07510		mg/Kg		73	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.0990	0.07604		mg/Kg		77	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1554		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00199	U	0.0990	0.07873		mg/Kg		80	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-51415/1-A

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 20:36	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-51415/1-A

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 20:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/18/23 13:47	04/18/23 20:36	1
o-Terphenyl	115		70 - 130				04/18/23 13:47	04/18/23 20:36	1

Lab Sample ID: LCS 880-51415/2-A

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1002		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	959.3		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	90		70 - 130				
o-Terphenyl	107		70 - 130				

Lab Sample ID: LCSD 880-51415/3-A

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	985.4		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	978.6		mg/Kg		98	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	92		70 - 130						
o-Terphenyl	113		70 - 130						

Lab Sample ID: 880-27268-1 MS

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 51415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1079		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1056		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	95		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27268-1 MSD

Matrix: Solid

Analysis Batch: 51381

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 51415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1053		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1038		mg/Kg		101	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	94		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51499/1-A

Matrix: Solid

Analysis Batch: 51636

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			04/20/23 03:40	1

Lab Sample ID: LCS 880-51499/2-A

Matrix: Solid

Analysis Batch: 51636

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-51499/3-A

Matrix: Solid

Analysis Batch: 51636

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	241.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-27268-3 MS

Matrix: Solid

Analysis Batch: 51636

Client Sample ID: T-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7920	F1	2520	10790	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-27268-3 MSD

Matrix: Solid

Analysis Batch: 51636

Client Sample ID: T-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7920	F1	2520	10750	F1	mg/Kg		112	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 51348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	8021B	51388
880-27268-2	T-1 (1.5')	Total/NA	Solid	8021B	51388
880-27268-3	T-1 (2')	Total/NA	Solid	8021B	51388
880-27268-4	T-1 (3')	Total/NA	Solid	8021B	51388
880-27268-5	T-2 (0-1')	Total/NA	Solid	8021B	51388
880-27268-6	T-2 (1.5')	Total/NA	Solid	8021B	51388
880-27268-7	T-2 (2')	Total/NA	Solid	8021B	51388
880-27268-8	T-2 (3')	Total/NA	Solid	8021B	51388
880-27268-9	T-2 (4')	Total/NA	Solid	8021B	51388
880-27268-10	T-2 (5')	Total/NA	Solid	8021B	51388
880-27268-11	T-3 (0-1')	Total/NA	Solid	8021B	51388
880-27268-12	T-3 (1')	Total/NA	Solid	8021B	51388
MB 880-51361/5-A	Method Blank	Total/NA	Solid	8021B	51361
MB 880-51388/5-B	Method Blank	Total/NA	Solid	8021B	51388
LCS 880-51388/1-A	Lab Control Sample	Total/NA	Solid	8021B	51388
LCSD 880-51388/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51388
880-27268-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	51388
880-27268-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	51388

Prep Batch: 51361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-51361/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 51388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	5035	
880-27268-2	T-1 (1.5')	Total/NA	Solid	5035	
880-27268-3	T-1 (2')	Total/NA	Solid	5035	
880-27268-4	T-1 (3')	Total/NA	Solid	5035	
880-27268-5	T-2 (0-1')	Total/NA	Solid	5035	
880-27268-6	T-2 (1.5')	Total/NA	Solid	5035	
880-27268-7	T-2 (2')	Total/NA	Solid	5035	
880-27268-8	T-2 (3')	Total/NA	Solid	5035	
880-27268-9	T-2 (4')	Total/NA	Solid	5035	
880-27268-10	T-2 (5')	Total/NA	Solid	5035	
880-27268-11	T-3 (0-1')	Total/NA	Solid	5035	
880-27268-12	T-3 (1')	Total/NA	Solid	5035	
MB 880-51388/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-51388/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51388/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27268-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-27268-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 51502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-27268-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-27268-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-27268-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-27268-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-27268-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 51502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-7	T-2 (2')	Total/NA	Solid	Total BTEX	
880-27268-8	T-2 (3')	Total/NA	Solid	Total BTEX	
880-27268-9	T-2 (4')	Total/NA	Solid	Total BTEX	
880-27268-10	T-2 (5')	Total/NA	Solid	Total BTEX	
880-27268-11	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-27268-12	T-3 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 51381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	8015B NM	51415
880-27268-2	T-1 (1.5')	Total/NA	Solid	8015B NM	51415
880-27268-3	T-1 (2')	Total/NA	Solid	8015B NM	51415
880-27268-4	T-1 (3')	Total/NA	Solid	8015B NM	51415
880-27268-5	T-2 (0-1')	Total/NA	Solid	8015B NM	51415
880-27268-6	T-2 (1.5')	Total/NA	Solid	8015B NM	51415
880-27268-7	T-2 (2')	Total/NA	Solid	8015B NM	51415
880-27268-8	T-2 (3')	Total/NA	Solid	8015B NM	51415
880-27268-9	T-2 (4')	Total/NA	Solid	8015B NM	51415
880-27268-10	T-2 (5')	Total/NA	Solid	8015B NM	51415
880-27268-11	T-3 (0-1')	Total/NA	Solid	8015B NM	51415
880-27268-12	T-3 (1')	Total/NA	Solid	8015B NM	51415
MB 880-51415/1-A	Method Blank	Total/NA	Solid	8015B NM	51415
LCS 880-51415/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	51415
LCSD 880-51415/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	51415
880-27268-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	51415
880-27268-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	51415

Prep Batch: 51415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-27268-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-27268-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-27268-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-27268-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-27268-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-27268-7	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-27268-8	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-27268-9	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-27268-10	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-27268-11	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-27268-12	T-3 (1')	Total/NA	Solid	8015NM Prep	
MB 880-51415/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-51415/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-51415/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27268-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-27268-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 51490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-27268-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-27268-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-27268-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-27268-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-27268-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-27268-7	T-2 (2')	Total/NA	Solid	8015 NM	
880-27268-8	T-2 (3')	Total/NA	Solid	8015 NM	
880-27268-9	T-2 (4')	Total/NA	Solid	8015 NM	
880-27268-10	T-2 (5')	Total/NA	Solid	8015 NM	
880-27268-11	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-27268-12	T-3 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 51499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-27268-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-27268-3	T-1 (2')	Soluble	Solid	DI Leach	
880-27268-4	T-1 (3')	Soluble	Solid	DI Leach	
880-27268-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-27268-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-27268-7	T-2 (2')	Soluble	Solid	DI Leach	
880-27268-8	T-2 (3')	Soluble	Solid	DI Leach	
880-27268-9	T-2 (4')	Soluble	Solid	DI Leach	
880-27268-10	T-2 (5')	Soluble	Solid	DI Leach	
880-27268-11	T-3 (0-1')	Soluble	Solid	DI Leach	
880-27268-12	T-3 (1')	Soluble	Solid	DI Leach	
MB 880-51499/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51499/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51499/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27268-3 MS	T-1 (2')	Soluble	Solid	DI Leach	
880-27268-3 MSD	T-1 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 51636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27268-1	T-1 (0-1')	Soluble	Solid	300.0	51499
880-27268-2	T-1 (1.5')	Soluble	Solid	300.0	51499
880-27268-3	T-1 (2')	Soluble	Solid	300.0	51499
880-27268-4	T-1 (3')	Soluble	Solid	300.0	51499
880-27268-5	T-2 (0-1')	Soluble	Solid	300.0	51499
880-27268-6	T-2 (1.5')	Soluble	Solid	300.0	51499
880-27268-7	T-2 (2')	Soluble	Solid	300.0	51499
880-27268-8	T-2 (3')	Soluble	Solid	300.0	51499
880-27268-9	T-2 (4')	Soluble	Solid	300.0	51499
880-27268-10	T-2 (5')	Soluble	Solid	300.0	51499
880-27268-11	T-3 (0-1')	Soluble	Solid	300.0	51499
880-27268-12	T-3 (1')	Soluble	Solid	300.0	51499
MB 880-51499/1-A	Method Blank	Soluble	Solid	300.0	51499
LCS 880-51499/2-A	Lab Control Sample	Soluble	Solid	300.0	51499

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 51636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-51499/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51499
880-27268-3 MS	T-1 (2')	Soluble	Solid	300.0	51499
880-27268-3 MSD	T-1 (2')	Soluble	Solid	300.0	51499

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Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-27268-1

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/18/23 21:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	51636	04/20/23 04:53	SMC	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-27268-2

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/18/23 22:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	51636	04/20/23 04:58	SMC	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-27268-3

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/18/23 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51636	04/20/23 05:03	SMC	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-27268-4

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-27268-4

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/18/23 23:27	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51636	04/20/23 05:17	SMC	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-27268-5

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

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	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/18/23 23:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	51636	04/20/23 05:22	SMC	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-27268-6

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51636	04/20/23 05:37	SMC	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-27268-7

Date Collected: 04/13/23 00:00

Matrix: Solid

Date Received: 04/18/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 00:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')

Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51636	04/20/23 05:41	SMC	EET MID

Client Sample ID: T-2 (3')

Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 00:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51636	04/20/23 05:46	SMC	EET MID

Client Sample ID: T-2 (4')

Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51636	04/20/23 05:51	SMC	EET MID

Client Sample ID: T-2 (5')

Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 01:35	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51636	04/20/23 05:56	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')
Date Collected: 04/13/23 00:00
Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 02:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	51636	04/20/23 06:01	SMC	EET MID

Client Sample ID: T-3 (1')
Date Collected: 04/13/23 00:00
Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/19/23 03:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			51490	04/19/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51415	04/18/23 13:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51381	04/19/23 02:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51499	04/19/23 12:23	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51636	04/20/23 06:05	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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Method Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Man State 002H (03.15.2023)

Job ID: 880-27268-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27268-1	T-1 (0-1')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-2	T-1 (1.5')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-3	T-1 (2')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-4	T-1 (3')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-5	T-2 (0-1')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-6	T-2 (1.5')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-7	T-2 (2')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-8	T-2 (3')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-9	T-2 (4')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-10	T-2 (5')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-11	T-3 (0-1')	Solid	04/13/23 00:00	04/18/23 10:20
880-27268-12	T-3 (1')	Solid	04/13/23 00:00	04/18/23 10:20

Chain of Custody

Work Order No: 270408

4/20/2023

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

Work Order Comments	
Program: UST/PST	PRP
State of Project:	PRP
Reporting Level II	Level III
Deliverables	EDD
ADAPT	Other

Project Name		Man State 002H (03 15 2023)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number	2010	☐ Routine ☒ Rush		48 Hrs																None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date																		Cool Cool	MeOH Me
Sampler's Name	GPJ																			HCL HC	HNO ₃ HN
PO #																				H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes	No	Yes	No	Yes	No													H ₃ PO ₄ HP	
	Received Intact	Yes	No	Yes	No	Yes	No													NaHSO ₄ NABIS	
	Cooler Custody Seals	Yes	No	Yes	No	Yes	No													Na ₂ S ₂ O ₃ NaSO ₃	
	Sample Custody Seals	Yes	No	Yes	No	Yes	No													Zn Acetate+NaOH Zn	
	Total Containers																			NaOH+Ascorbic Acid SAPC	
Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300 0															
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-1 (0-1')		4/13/2023		X		G	1	X	X	X											
T-1 (1-5')		4/13/2023		X		G	1	X	X	X											
T-1 (2')		4/13/2023		X		G	1	X	X	X											
T-1 (3')		4/13/2023		X		G	1	X	X	X											
T-2 (0-1')		4/13/2023		X		G	1	X	X	X											
T-2 (1-5')		4/13/2023		X		G	1	X	X	X											
T-2 (2')		4/13/2023		X		G	1	X	X	X											
T-2 (3')		4/13/2023		X		G	1	X	X	X											
T-2 (4')		4/13/2023		X		G	1	X	X	X											
T-2 (5')		4/13/2023		X		G	1	X	X	X											

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



Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	4-18-23	<i>Mike Carmona</i>	4/18/23

Chain of Custody

Work Order No:

77268

4/20/2023

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

Work Order Comments	
Program: UST/PT	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other ☐

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4-18-23 10:30		4/18/23 10:30

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-27268-1

SDG Number: Eddy County, New Mexico

Login Number: 27268

List Number: 1

List Source: Eurofins Midland

Creator: Teel, Brianna

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 228728

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 228728
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	As requested in remediation plan, the alternative confirmation sampling plan taking confirmation samples every 300 square feet is approved. Closure report is due to OCD by 2/12/2024.	11/14/2023