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		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

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 not 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:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Pad (dropdown)	Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rate of Thumb - RMR Handover Volume, (yd^3.)
Rectangle A	50.0	4.0	1.0	Off-Pad	9.87%	2.97	0.29	0.77	
Rectangle B	10.0	15.0	0.1	Off-Pad	9.87%	0.22	0.02	0.06	
Rectangle C				Off-Pad	9.87%	0.00	0.00	0.00	
Rectangle D				Off-Pad	9.87%	0.00	0.00	0.00	
Rectangle E				Off-Pad	9.87%	0.00	0.00	0.00	
Rectangle F						0.00		0.00	750
Rectangle G						0.00		0.00	
Rectangle H						0.00		0.00	
						0.00		0.00	
Rectangle J						0.00		0.00	
					Total Subsurface Volume Released:		0.3148	0.83	BU

CARMONA RESOURCES

SITE INFORMATION

Closure Report
Man State 002H (03.15.2023)
Eddy County, New Mexico
Incident ID: NAPP2308628700
Unit N Sec 31 T18S R28E
32.6966°, -104.2166°

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

April 2, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Man State 002H (03.15.2023)
Concho Operating, LLC
Incident # NAPP2308628700
Site Location: Unit N, S31, T18S, R28E
(Lat 32.6966°, Long -104.2166°)
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 32.6966°, -104.2166º 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 Notice of Release is attached in Appendix C.

A work plan was approved by the NMOCD on November 14, 2023, with the approval of a confirmation sampling variance of 300 square feet. The correspondence can be found in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The 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.

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

CARMONA RESOURCES

4.0 Site Assessment Activities

Initial Assessment

On March 30, 2022, 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. 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 includedin Appendix E. The sample locations are shown in Figure 3.

All areas were delineated vertically. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD web portal on March 11, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of nineteen (19) confirmation floor samples (CS-1 through CS-19) and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 300 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Approximately 360 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded On March 27, 2023. The appropriate pounds of pure live seed per acre were used. The seeds were applied via hand broadcasting method due to the area being less than ¼ acres. The surrounding topsoil was raked onto the seed to aid the vegetation process. The seed mixture used was SLO sandy loam (SL), per SLO criteria (See attachments in Appendix F).

CARMONA RESOURCES

6.0 Conclusions

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

Sincerely,

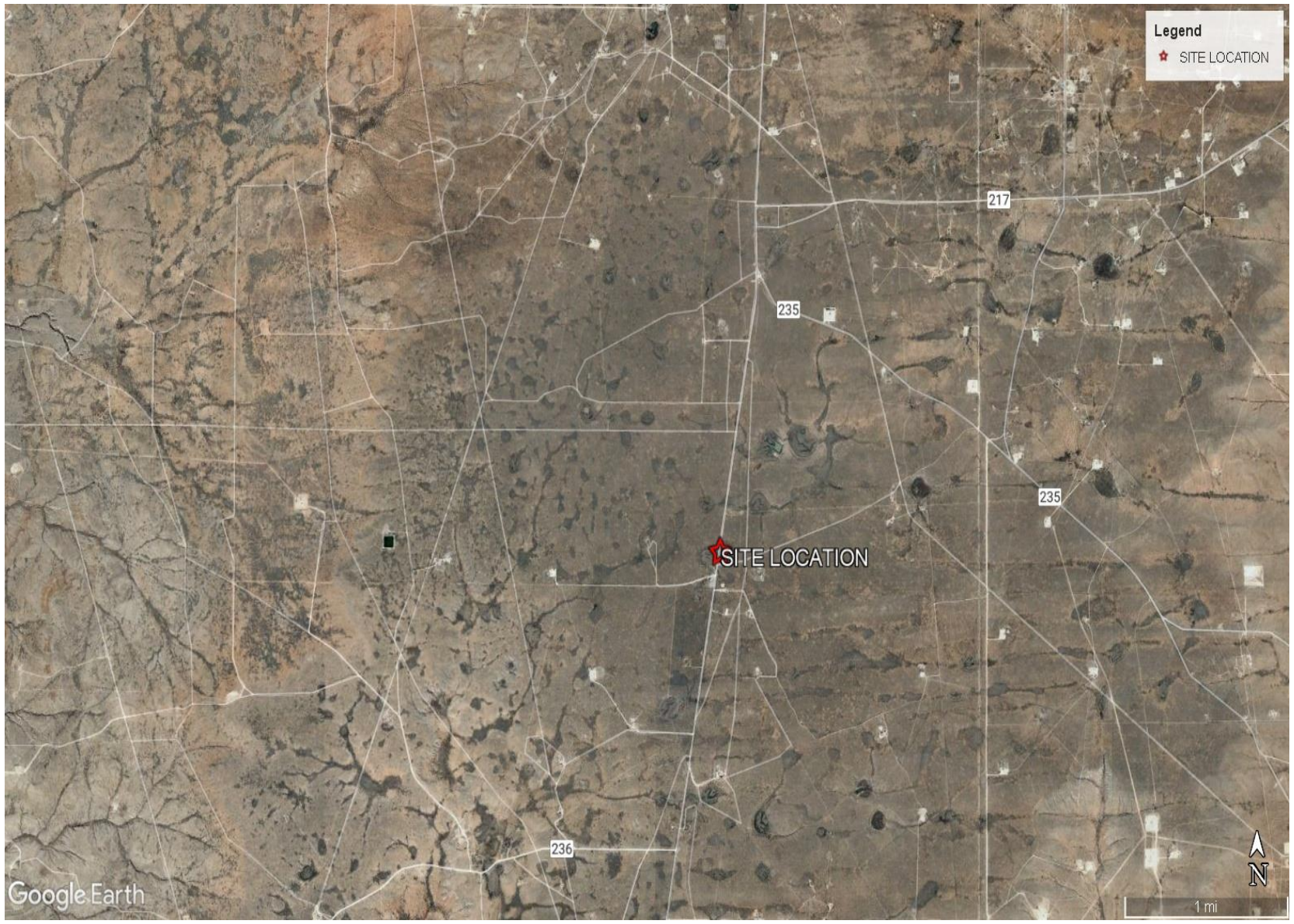
Carmona Resources, LLC

Devin Dominguez
Geologist/Sr. Project Manager

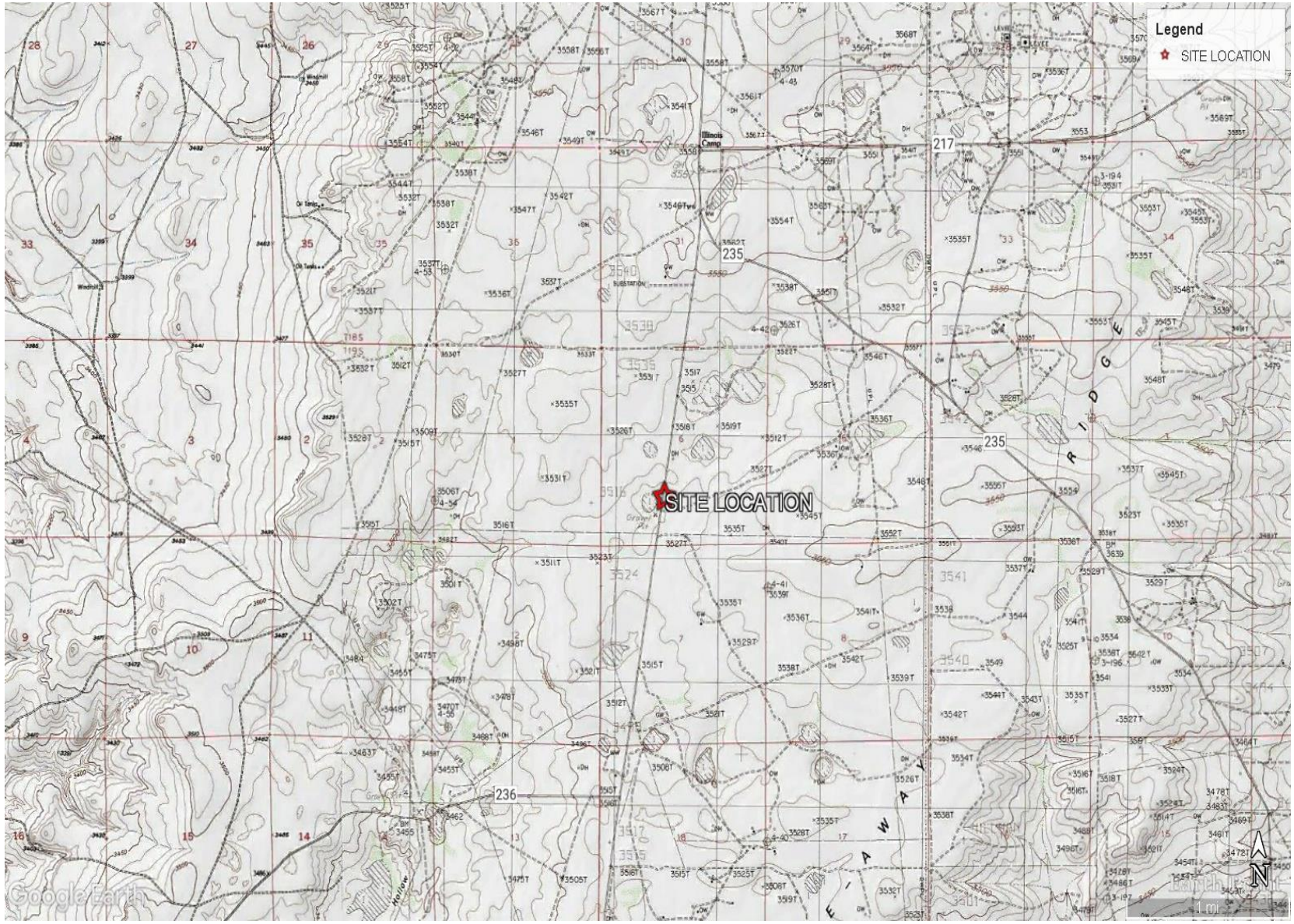
Conner Moehring
Sr. Project Manager

FIGURES

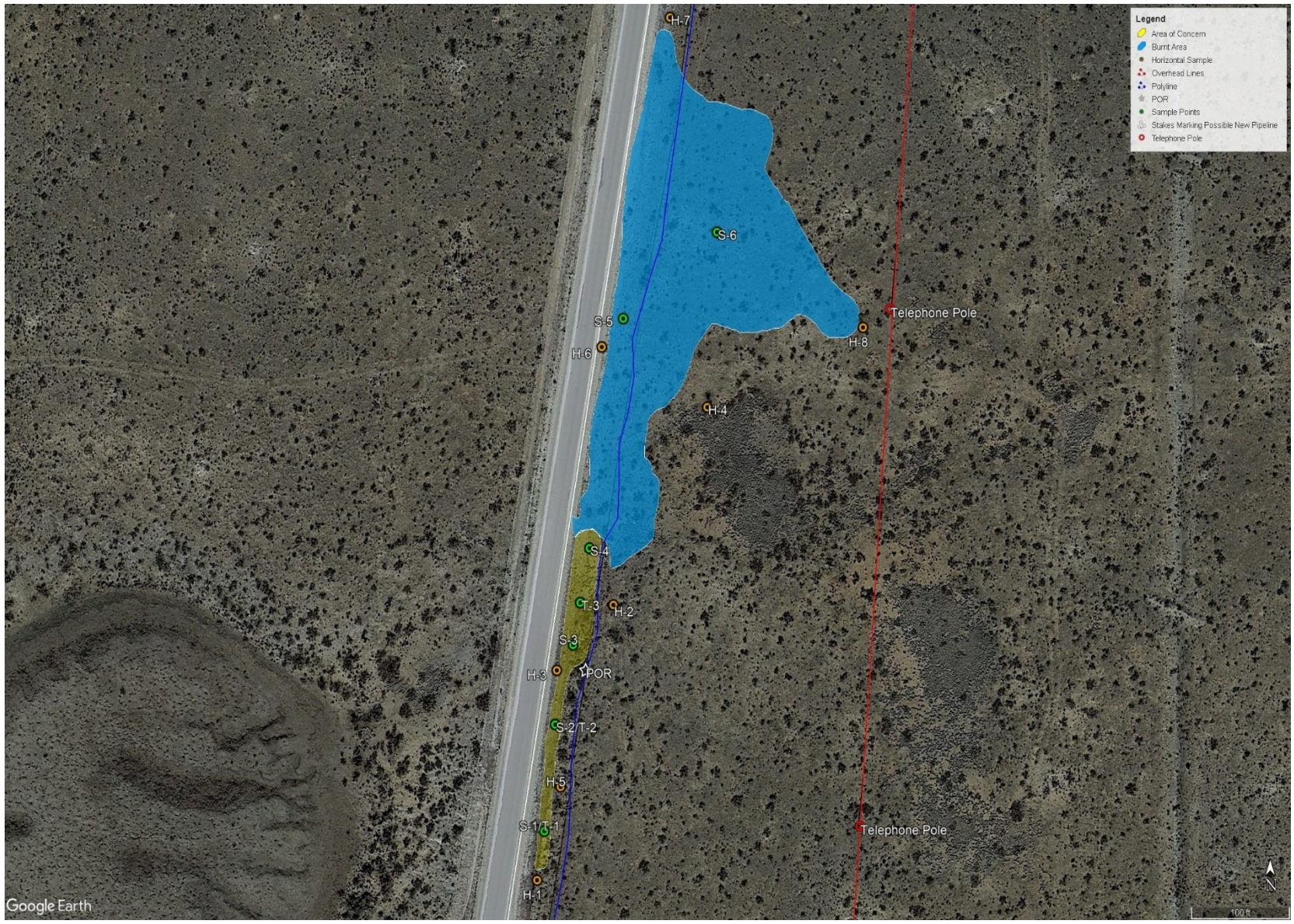
CARMONA RESOURCES



OVERVIEW MAP COG OPERATING, LLC MAN STATE 002H (03.15.2023) EDDY COUNTY, NEW MEXICO 32.685523°, -104.216853°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC MAN STATE 002H (03.15.2023) EDDY COUNTY, NEW MEXICO 32.685523°, -104.216853°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC MAN STATE 002H (03.15.2023) EDDY COUNTY, NEW MEXICO 32.685523°, -104.216853°	CARMONA RESOURCES	FIGURE 3

EXCAVATION DEPTH MAP COG OPERATING, LLC MAN STATE 002H (03.15.2023) EDDY COUNTY, NEW MEXICO 32.685523°, -104.216853°	CARMONA RESOURCES	FIGURE 4

RECLAMATION MAP COG OPERATING, LLC MAN STATE 002H (03.15.2023) EDDY COUNTY, NEW MEXICO 32.685523°, -104.216853°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
COG Operating, LLC
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 Sample
(H) - Horizontal Sample
Removed

Table 2
COG Operating, LLC
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						
CS-1	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-4	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-6	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-8	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-11	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-12	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-13	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-14	3/12/2024	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	3/12/2024	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-16	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-17	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-19	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-1	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-2	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-3	3/12/2024	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-5	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-6	3/12/2024	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	3/12/2024	4.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-8	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-9	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-10	3/12/2024	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	3/12/2024	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	3/12/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
JP Caliche	3/12/2024	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-1 through CS-12.

Photograph No. 2

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
View North, area of CS-13 through CS-15.

Photograph No. 3

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-16 through CS-19.

PHOTOGRAPHIC LOG

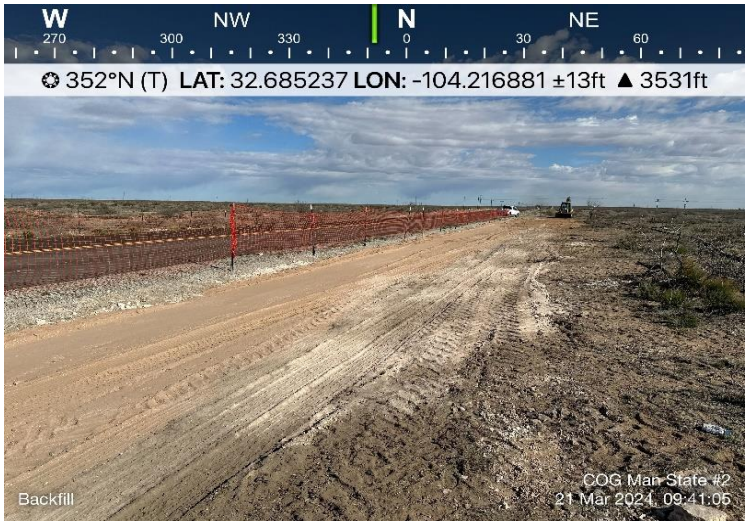
Concho Operating, LLC

Photograph No. 4

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
View North, backfilled excavation.

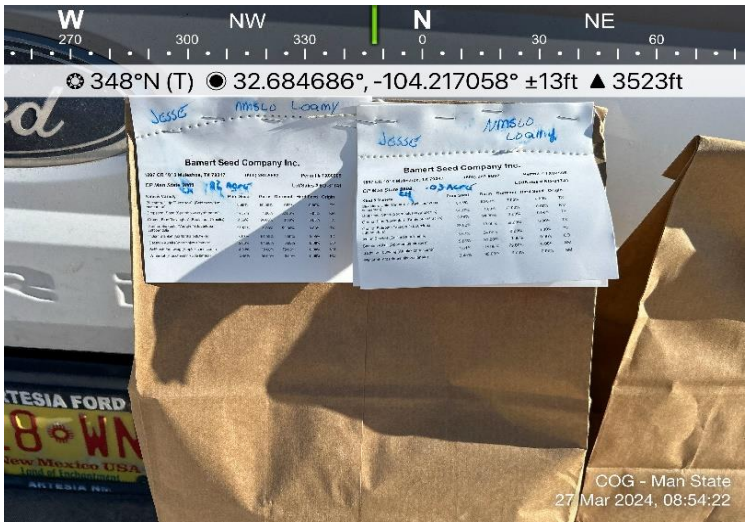


Photograph No. 5

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
Seed Mixture.



Photograph No. 6

Facility: Man State 002H (03.15.2023)

County: Eddy County, New Mexico

Description:
View North, reseeding via hand-broadcasting.

APPENDIX C

CARMONA RESOURCES

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

QUESTIONS

Action 200868

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200868
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Man State 002H
Date Release Discovered	03/15/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Flow Line - Production | Produced Water | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200868
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More volume information must be supplied to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**No, not enough information provided to determine release severity.**
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	*Not answered.*
If YES, was immediate notice given to the OCD, to whom	*Not answered.*
If YES, was immediate notice given to the OCD, when	*Not answered.*
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	*Not answered.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	*Not answered.*
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	*Not answered.*
All free liquids and recoverable materials have been removed and managed appropriately	*Not answered.*
If all the actions described above have not been undertaken, explain why	*Not answered.*
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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200868
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 200868
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/27/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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QUESTIONS

Action 321995

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 321995
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2308628700**
Incident Name	**NAPP2308628700 MAN STATE 002H @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2203549620] Man State 2H Battery**

Location of Release Source	
Site Name	**MAN STATE 002H**
Date Release Discovered	**03/15/2023**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	5,497
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2024
Time sampling will commence	02:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Conner Moehring (432) 813-6823
Please provide any information necessary for navigation to sampling site	Coordinates of release on Initial C-141

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CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 321995
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/11/2024

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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

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

93.25' - Drilled 1989

159.93' - Drilled 2015

Man State 002H (03.15.2023)

145' - Drilled 1969

91' - Drilled 1972

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

Google Earth

2 mi

N

Low Karst
COG Operating

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

Man State 002H (03.15.2023)

Google Earth

2 mi

N

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-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

UTMNAD83 Radius Search (in meters):

Easting (X): 573426 **Northing (Y):** 3617931 **Radius:** 4000

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

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

Click to hide state-specific text

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		

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	
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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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

(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 00478 POD1	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	**Plug Date:**	
Log File Date:	01/02/1970	**PCW Rcv Date:**	11/01/1971	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	7 GPM
Casing Size:	7.00	**Depth Well:**	312 feet	**Depth Water:**	145 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**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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Important: Next Generation Monitoring Location Page

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 measur
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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-04-03 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)

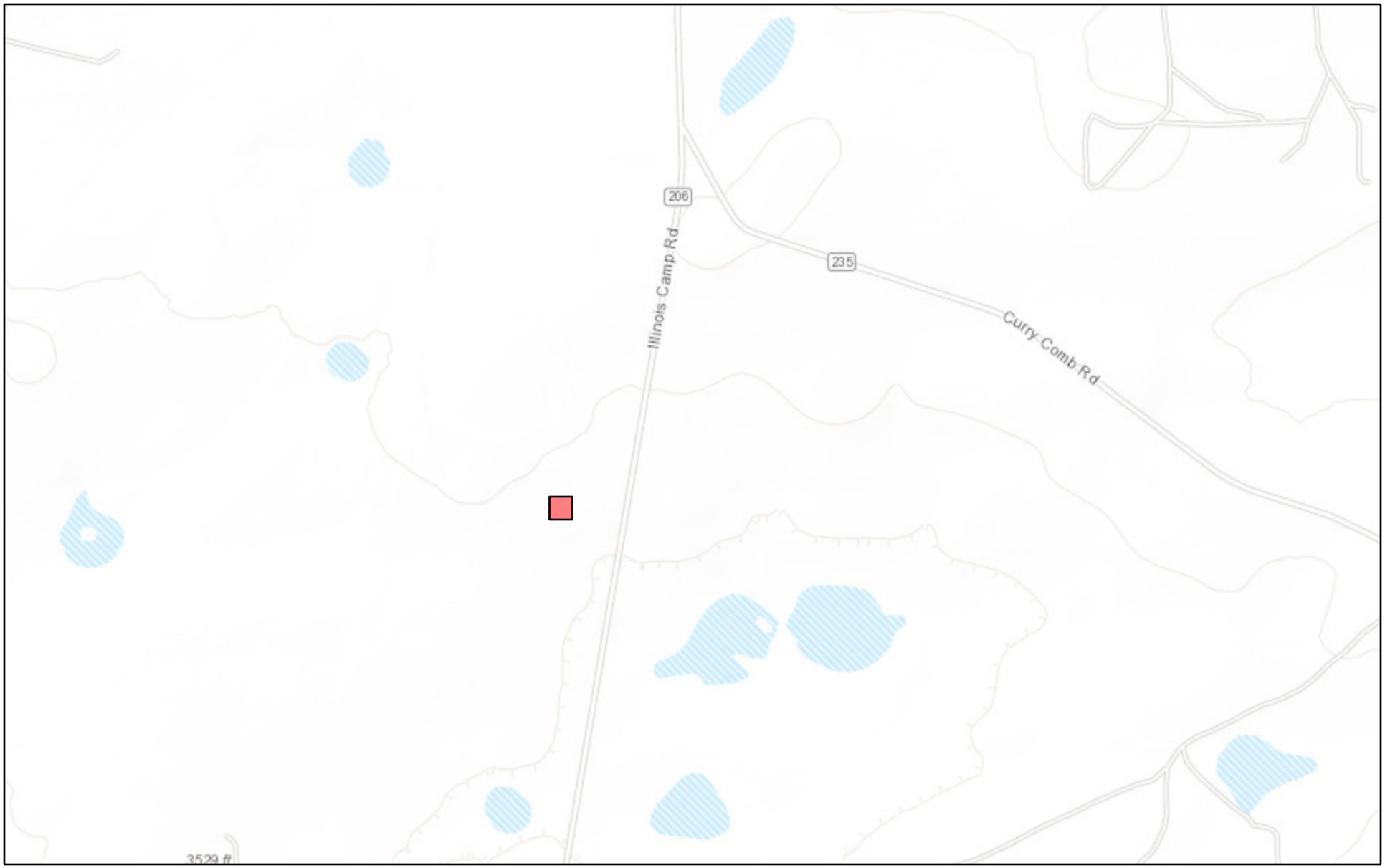
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00502		1	1	18	19S	28E	573001	3614478*

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 Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.25	**Depth Well:**	100 feet	**Depth Water:**	91 feet

Water Bearing Stratifications:	Top	Bottom	Description
	95	100	Sandstone/Gravel/Conglomerate

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

New Mexico NFHL Data



April 3, 2023

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

eurofins | Environment Testing

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

See page two for job notes and contact information.

my EOL

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

Table of Contents

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

Job ID: 880-26647-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26647-1

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

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

Lab Sample ID: 880-26647-1
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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*

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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
OII 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
OII 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

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
OII 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*

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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
OII 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
OII 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

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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*

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
OII 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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (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

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	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

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
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
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
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	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
Matrix: Solid
Analysis Batch: 50089

Client Sample ID: Method Blank
Prep Type: Total/NA
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
OII 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
Matrix: Solid
Analysis Batch: 50089

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

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

Surrogate	LCS %Recovery	LCS 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

Surrogate	LCSD %Recovery	LCSD 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

Surrogate	MS %Recovery	MS 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

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

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

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	

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	

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

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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

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

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

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: 216647

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Man State 002H (03.15 2023)	Turn Around	
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	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.8
Total Containers		Corrected Temperature	1.5

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-0.25')	3/30/2023		X		G	1		X	X	X	402
S-1 (0 5')	3/30/2023		X		G	1		X	X	X	
S-2 (0-0 25')	3/30/2023		X		G	1		X	X	X	
S-2 (0 5')	3/30/2023		X		G	1		X	X	X	
S-3 (0-0 25')	3/30/2023		X		G	1		X	X	X	
S-3 (0 5')	3/30/2023		X		G	1		X	X	X	
S-4 (0-0 25')	3/30/2023		X		G	1		X	X	X	
S-4 (0 5')	3/30/2023		X		G	1		X	X	X	
S-5 (0-0 25')	3/30/2023		X		G	1		X	X	X	
S-6 (0-0 25')	3/30/2023		X		G	1		X	X	X	

880-26647 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
	3-31-23 1358		

Login Sample Receipt Checklist

Client: Carmona Resources

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

Login Number: 26647
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	

eurofins | Environment Testing

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

See page two for job notes and contact information.

my EOL

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

Table of Contents

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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*

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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*

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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-7 (0-0.5')

Lab Sample ID: 880-26646-7
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
OII 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

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)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

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	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		

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
OII 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

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

Surrogate	LCS %Recovery	LCS 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

Surrogate	LCSD %Recovery	LCSD 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
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

Surrogate	MS %Recovery	MS 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

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

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

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	

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	

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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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
Matrix: Solid
Date Collected: 03/30/23 00:00
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

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

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

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: 216416

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

Work Order Comments

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

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Man State 002H (03 15 2023)	Turn Around	
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	IR6
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-3.6
Sample Custody Seals	Yes No (N/A)	Temperature Reading	-1.8
Total Containers		Corrected Temperature	-1.5

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-1 (0-0.5')	3/30/2023		X		G	1		X	X	X
H-2 (0-0 5')	3/30/2023		X		G	1		X	X	X
H-3 (0-0 5')	3/30/2023		X		G	1		X	X	X
H-4 (0-0.5')	3/30/2023		X		G	1		X	X	X
H-5 (0-0.5')	3/30/2023		X		G	1		X	X	X
H-6 (0-0 5')	3/30/2023		X		G	1		X	X	X
H-7 (0-0 5')	3/30/2023		X		G	1		X	X	X
H-8 (0-0.5')	3/30/2023		X		G	1		X	X	X

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3 HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

402

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
	3-31-23 1355		

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	

eurofins | 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

See page two for job notes and contact information.

my EOL

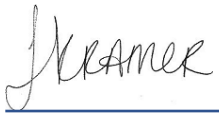
Eurofins Midland

Job Notes

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

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

Authorization



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

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

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

Table of Contents

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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*

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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*

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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*

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
OII 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

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)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

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

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

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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 51381 — **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
OII 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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 51381 — **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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 51381 — **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 — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 51381 — **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*

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

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	

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	

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

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

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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
Matrix: Solid
Date Collected: 04/13/23 00:00
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
Matrix: Solid
Date Collected: 04/13/23 00:00
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

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
Date Received: 04/18/23 10:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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
Date Received: 04/18/23 10:20

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	04/18/23 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
Date Received: 04/18/23 10:20

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 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
Date Received: 04/18/23 10:20

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 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

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

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

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: 27268

4/20/2023

Page 1 of 2

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Man State 002H (03 15 2023)	Turn Around	
Project Number	2010	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	48 Hrs
Sampler's Name	GPJ		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID	IR1	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-0.3	
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	0.0	
Total Containers		Corrected Temperature	0.3	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
T-1 (0-1')	4/13/2023		X		G	1	X	X	X	4oz
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	

880-27268 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
	4-18-23 10.20		4/18/23 10.20

Chain of Custody

Work Order No: 27268

4/20/2023

Page 2 of 2

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Man State 002H (03 15 2023)	Turn Around	
Project Number	2010	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	48 Hrs
Sampler's Name	GPJ		
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact	Yes No	Thermometer ID	IR8	
Cooler Custody Seals	Yes No N/A	Correction Factor	-0.3	
Sample Custody Seals	Yes No N/A	Temperature Reading	0.0	
Total Containers		Corrected Temperature	0.3	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
T-3 (0-0 5')	4/13/2023		X		G	1		X	X	X	402
T-3 (1')	4/13/2023		X		G	1		X	X	X	

Preservative Codes

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

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Arianna Arias	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
Creator: Teel, Brianna

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	

CARDINAL Laboratories

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

March 19, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MAN STATE 002H (03.15.2023)

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 1 (1.5') (H241378-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *78.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 2 (1.5') (H241378-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *78.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 3 (1.5') (H241378-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *77.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.6 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 4 (1.5') (H241378-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *71.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 5 (1.5') (H241378-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *72.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 6 (1.5') (H241378-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *72.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 7 (1.5') (H241378-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *75.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 8 (1.5') (H241378-08)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *87.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 9 (1.5') (H241378-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *78.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 10 (1.5') (H241378-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *74.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.7 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 11 (1.5') (H241378-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *80.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.6 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 12 (1.5') (H241378-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *79.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.9 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 13 (1.5') (H241378-13)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *77.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.0 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 14 (4.5') (H241378-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *79.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.1 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 15 (4.5') (H241378-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *87.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 16 (2.5') (H241378-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane *75.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.7 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 17 (2.5') (H241378-17)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane *67.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.1 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 18 (2.5') (H241378-18)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane *78.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.1 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: CS - 19 (2.5') (H241378-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane *69.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.7 %* *49.1-148*

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 1 (1.5') (H241378-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	180	89.8	200	15.0	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	198	98.8	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane *66.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 2 (1.5') (H241378-21)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *73.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.1 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 3 (4.5') (H241378-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *69.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.9 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 4 (2.5') (H241378-23)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *70.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.3 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 5 (2.5') (H241378-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *68.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.2 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 6 (2.5') (H241378-25)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *68.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.4 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 7 (4.5') (H241378-26)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *75.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.7 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 8 (1.5') (H241378-27)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.19	110	2.00	0.800	
Toluene*	<0.050	0.050	03/18/2024	ND	2.14	107	2.00	0.778	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	104	2.00	0.682	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.06	101	6.00	0.713	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *68.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.2 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 9 (1.5') (H241378-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.10	105	2.00	1.98	
Toluene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	2.32	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.03	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.13	102	6.00	1.88	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *71.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.2 %* *49.1-148*

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 10 (1.5') (H241378-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.10	105	2.00	1.98	
Toluene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	2.32	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.03	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.13	102	6.00	1.88	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *80.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 11 (3') (H241378-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.10	105	2.00	1.98	
Toluene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	2.32	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.03	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.13	102	6.00	1.88	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/19/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *72.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: SW - 12 (2') (H241378-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.10	105	2.00	1.98	
Toluene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	2.32	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.03	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.13	102	6.00	1.88	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/19/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *85.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H241378

Page 1 of 4

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Man State 002H (03.15.2023)	Turn Around	
Project Number:	2010	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.5°c
Total Containers:		Corrected Temperature:	—

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-2 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-3 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-4 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-5 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-6 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-7 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-8 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-9 (1.5')	3/12/2024		X		C	1		X	X	X	
CS-10 (1.5')	3/12/2024		X		C	1		X	X	X	

1 2 3 4 5 6 7 8 9 10

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3-18-24 1415	[signature]	

Chain of Custody

Work Order No: H241378

Page 2 of 4

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Man State 002H (03.15.2023)	Turn Around	
Project Number:	2010	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.5°C
Total Containers:		Corrected Temperature:	—

Preservative Codes

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

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
11	CS-11 (1.5')	3/12/2024		X		C	1		X	X	X	
12	CS-12 (1.5')	3/12/2024		X		C	1		X	X	X	
13	CS-13 (1.5')	3/12/2024		X		C	1		X	X	X	
14	CS-14 (4.5')	3/12/2024		X		C	1		X	X	X	
15	CS-15 (4.5')	3/12/2024		X		C	1		X	X	X	
16	CS-16 (2.5')	3/12/2024		X		C	1		X	X	X	
17	CS-17 (2.5')	3/12/2024		X		C	1		X	X	X	
18	CS-18 (2.5')	3/12/2024		X		C	1		X	X	X	
19	CS-19 (2.5')	3/12/2024		X		C	1		X	X	X	
20	SW-1 (1.5')	3/12/2024		X		C	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ivan Ramos	3-18-24 1415	Tamara Latchford	

Chain of Custody

Work Order No: H241378

Page 3 of 4

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Man State 002H (03.15.2023)	Turn Around	
Project Number:	2010	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.5°
Total Containers:		Corrected Temperature:	—

Preservative Codes

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

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
21	SW-2 (1.5')	3/12/2024		X		C	1	X	X	X	
22	SW-3 (4.5')	3/12/2024		X		C	1	X	X	X	
23	SW-4 (2.5')	3/12/2024		X		C	1	X	X	X	
24	SW-5 (2.5')	3/12/2024		X		C	1	X	X	X	
25	SW-6 (2.5')	3/12/2024		X		C	1	X	X	X	
26	SW-7 (4.5')	3/12/2024		X		C	1	X	X	X	
27	SW-8 (1.5')	3/12/2024		X		C	1	X	X	X	
28	SW-9 (1.5')	3/12/2024		X		C	1	X	X	X	
29	SW-10 (1.5')	3/12/2024		X		C	1	X	X	X	
30	SW-11 (3')	3/12/2024		X		C	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3-18-24 1415		

Chain of Custody

Work Order No: H241378

Page 4 of 4

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Man State 002H (03.15.2023)	Turn Around	
Project Number:	2010	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	Yes (No)		
Received Intact:	(Yes) No	Thermometer ID:	140		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.5°		
Total Containers:		Corrected Temperature:	—		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
31 SW-12 (2')	3/12/2024		X		C	1		X	X	X

ANALYSIS REQUEST / Parameters

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ivan Ramos	3-18-24 1415	Jennifer Ellard	

CARDINAL Laboratories

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

March 19, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: MAN STATE 002H (03.15.2023)

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	03/18/2024	Sampling Date:	03/12/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	MAN STATE 002H (03.15.2023)	Sampling Condition:	Cool & Intact
Project Number:	2010	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO., NM		

Sample ID: JP CALICHE (H241377-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.18	109	2.00	1.52	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	1.04	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.09	105	2.00	0.896	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.30	105	6.00	0.532	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/19/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane *77.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H241377

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

Work Order Comments

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

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Man State 002H (03.15.2023)	Turn Around	
Project Number:	2010	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.5°C
Total Containers:	1	Corrected Temperature:	—

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
JP Caliche	3/12/2024		X		C	1		X	X	X

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ivan Ramos	3-18-24/14:14	Tamara Oldaker	

APPENDIX F

CARMONA RESOURCES

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KT	Kimbrough-Stegall loams, 0 to 3 percent slopes	0.4	100.0%
Totals for Area of Interest		**0.4**	**100.0%**

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t
Elevation: 2,750 to 5,000 feet
Mean annual precipitation: 8 to 16 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 70 percent
Stegall and similar soils: 25 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam
H2 - 3 to 9 inches: loam
H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 8 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Description of Stegall

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 5 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

NMSLO Seed Mix Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

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QUESTIONS

Action 332339

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2308628700**
Incident Name	**NAPP2308628700 MAN STATE 002H @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**
Incident Facility	**[fAPP2203549620] Man State 2H Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MAN STATE 002H
Date Release Discovered	03/15/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Flow Line - Production | Produced Water | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/11/2024

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QUESTIONS (continued)

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	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	45200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	638
GRO+DRO (EPA SW-846 Method 8015M)	638
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	03/11/2024
On what date will (or did) the final sampling or liner inspection occur	03/12/2024
On what date will (or was) the remediation complete(d)	03/27/2024
What is the estimated surface area (in square feet) that will be reclaimed	6888
What is the estimated volume (in cubic yards) that will be reclaimed	360
What is the estimated surface area (in square feet) that will be remediated	6888
What is the estimated volume (in cubic yards) that will be remediated	360
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	Man State 2H Battery [fAPP2203549620]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/11/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**321995**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/12/2024**
What was the (estimated) number of samples that were to be gathered	**50**
What was the sampling surface area in square feet	**5497**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6888
What was the total volume (cubic yards) remediated	320
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	6888
What was the total volume (in cubic yards) reclaimed	320
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/11/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	6888
What was the total volume of replacement material (in cubic yards) for this site	360
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	03/27/2024
Summarize any additional reclamation activities not included by answers (above)	N/A
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/11/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 332339

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 332339
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation approved. Appreciate the thoroughness of this report!	4/12/2024