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

)

Page 1 of 190

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

Longitude

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		

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major If release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate notic	ice 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 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:

The source of the release has been stopped.

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 - Subsurfac							Spill - Rectangle	Remediati	on Recommendation
Received by Convert Irregular shape into a series of rectangles	Length		1/2024 Average Depth (in.)	8:43:2 Pad (dropdown)	3 AM Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd ³ .)	Page 3 of 190 Current Rule 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		Off-Pad~	9.87%	0.22	0.02	0.06]
Rectangle C		8 - 18		Off-Pad~	9.87%	0.00	0.00	0.00]
Rectangle D		S		Off-Pad~	9.87%	0.00	0.00	0.00	1
Rectangle E		8 C	5. 3	Off-Pad-	9.87%	0.00	0.00	0.00	750
Rectangle F			S 2	×		0.00	1. East	0.00	750
Rectangle G				¢		0.00		0.00	
Rectangle H		2	12	~		0.00		0.00	1
Released to	Imag	ing:	4/12/2	024 10:	36:53 AM	0.00		0.00] .
Rectangle J				- You		0.00		0.00	0.000
					Total S	ubsurface Volume Released:	0.3148	0.83	BU



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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 RECLAMATION ACTIVITIES

7.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	EXCAVATION
FIGURE 5	RECLAMATION		
	APPE	ENDICES	
APPENDIX A	TABLES		
APPENDIX B	РНОТОЯ		
APPENDIX C	N.O.R. AND FINAL C-141/NMOCI	O CORRESPONDEN	CE
APPENDIX D	SITE CHARACTERIZATION ANI	O GROUNDWATER	
APPENDIX E	LABORATORY REPORTS		

APPENDIX F RECLAMATION CRITERIA



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°, -104.2166° 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.



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 included in 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 ¹/₄ 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).



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

)ervin 1 Summering

Devin Dominguez Geologist/Sr. Project Manager

Conner Moehring Sr. Project Manager















APPENDIX A

CARMONA RESOURCES

•

Table 1 COG Operating, LLC Man State 002H (03.15.2023) Eddy County, New Mexico

Eddy County, New Mexico												
Sample ID	Date	Depth (ft)	TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride		
Sample ID	Date	Deptil (It)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
	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
T-1	"	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
	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
T-2	"	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
3-4	"	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
	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) No	t Analyzed											

(-) 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

Eddy County, New Wexico												
Sample ID	Date	Depth (ft)	GRO	TPH DRO	l (mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
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 (-) Not Analyzed						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
 A - Table 1 - 19.15.29 NMAC
 mg/kg - miligram pet 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



 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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Operator: O	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave Ad	Action Number:	
Midland, TX 79701	200868	
Ar	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	Νο			
Has this release endangered or does it have a reasonable probability of endangering public health	Νο			
Has this release substantially damaged or will it substantially damage property or the environment	Νο			
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.			

QUESTIONS

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

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

QUESTIONS

Initial Response

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.				

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injur
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.

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.
	covery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the ccurred 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.

Page 23cof 190

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

1	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.
	l 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.
K	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.
2	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.
M	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.

Page 24cof 190

ACKNOWLEDGMENTS

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

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

CONDITIONS

Created By		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

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility 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.

<u>Closure Report Attachment Checklist</u> : 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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certaid may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Page 27cof 190

Action 321995

QUESTIONS

Operator:		OGRID:
COC	G OPERATING LLC	229137
600) W Illinois Ave	Action Number:
Midl	lland, TX 79701	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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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

COG Operating

20 11 1

93.25' - Drilled 1989

Man State 002H (03.15.2023)

145' - Drilled 1969

91' - Drilled 1972

LegendPage 31 of 190Image: 0.50 Mile RadiusImage: 1.15 MilesImage: 1.29 MilesImage: 2.15 MilesImage: 2.16 MilesImage: Man State 002H (03.15.2023)Image: NMSEO Water WellImage: USGS Water Well



2 mi



COG Operating

¶Man State 002H (03.15.2023)

GRetensed to Imaging: 4/12/2024 10:36:53 AM



Page 32 of 190



- Man State 002H (03.15.2023)
- 🥖 Medium



2 mi



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(•	•					2=NE 3 st to larg	=SW 4=SE jest) (NA) AD83 UTM in me	eters)	(In feet)	
POD Number	POD Sub- Code basin C	County		Q 16		Sec	Tws	Rng	х	Y	Distance	-	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	g
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		
										Avera	ge 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

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

date-time code bei accuracy lan	and surface v	evel, eet above specific vertical latum	vertical datum	S
------------------------------------	---------------	--	-------------------	---

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

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	Р	Z		
1968-04-01		D	62611		3391.29	NAVD88	Р	Z		
1968-04-01		D	72019	151.71			Р	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	? Para code	ameter e	Water level, feet below land surface	Water level, feet above specific vertical datum	vei	ferenced tical tum	2
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 UT	C m	62610		3381.50	NGVD29	Р	S	USGS	
2015-12-16 19:40 UT	C m	62611		3383.07	NAVD88	Р	S	USGS	
2015-12-16 19:40 UT	C m	72019	159.93			Р	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	Р	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	А	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: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2023-04-03 11:17:04 EDT 0.34 0.31 nadww02



USA.gov

Received by OGP: 4/11/2024 8:43:23 AM

USGS Groundwater for New Mexico: Water Levels -- 1 sites

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**

			` A				E 3=SW		(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Ŷ	
C	CP (0478 POD1	1	1	4	05	19S	28E	575300	3617036* 🌍	
Driller Lic	ense:	406	Drille	· Con	ipan	ıy:	TIE	WELL	, CLYDE J.		
Driller Nai	me:	CLYDE TIDWELL									
Drill Start	Date:	12/12/1969	Drill F	inish	Dat	e:	12	2/23/19	69 Pl	ug Date:	
Log File Da	ate:	01/02/1970	PCW	Rcv I)ate:	:	1	1/01/19	71 Se	ource:	Shallow
Pump Type	e:	SUBMER	Pipe D	oischa	rge	Size:			E	stimated Yield:	7 GPM
Casing Size	e:	7.00	Depth Well:				3	12 feet	D	Depth Water:	
K	Wate	er Bearing Stratific	ations:		То	p I	Bottom	Desc	ription		
					15	50	160	Sand	stone/Grave	l/Conglomerate	
					20	00	262	Sand	stone/Grave	l/Conglomerate	
K		Casing Perfor	rations:		То	p I	Bottom	l			
					14	10	262				

*UTM location was derived from PLSS - see Help

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

4/3/23 9:09 AM

POINT OF DIVERSION SUMMARY

Received by QGD: 4/11/2024 8:43:23 AM

USGS Home Contact USGS Search USGS

science for a changing work

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

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	Р	Z		
1948-12-02		D	62611		3432.95	NAVD88	Р	Z		
1948-12-02		D	72019	137.05			Р	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	

Received by OGD: 4/11/2024 8:43:23 AM

USGS Groundwater for New Mexico: Water Levels -- 1 sites

Page 39 of 190

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	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	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: <u>New Mexico Water Data Maintainer</u> 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=N	W 2=N	VE 3=SW	7 4=SE)			
			(quarters	are sm	allest to	o largest)	1	(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y	
	CP (00502		1 1	18	19S	28E	573001	3614478* 🍯	
Driller Lic	ense:	30	Driller C	ompai	ny:	BA	RRON,	EMMETT		
Driller Na	me:	BARRON, EMM	1ETT							
Drill Start	Date:	03/23/1972	Drill Fini	sh Da	te:	0	3/25/197	72 P I	ug Date:	
Log File D	ate:	04/05/1972	PCW Rc	v Date	:			So	ource:	Shallow
Ритр Тур	e:		Pipe Disc	harge	Size:	:		Es	stimated Yield:	:
Casing Siz	æ:	5.25	Depth W	ell:		1	00 feet	D	epth Water:	91 feet
ĸ	Wate	er Bearing Stratif	fications:	Te	op l	Bottom	Desci	ription		
		C			95	100	Sands	stone/Grave	l/Conglomerate	e

*UTM location was derived from PLSS - see Help

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

4/3/23 9:11 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data







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

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

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

APPENDIX E

CARMONA RESOURCES

Released to Imaging: 4/12/2024 10:36:53 AM



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





Received by OCD: 4/11/2024 8:43:23 AM

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

RAMER

Generated 4/4/2023 4:43:05 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
	5
	6
Surrogate Summary	14
	15
	20
	23
Certification Summary	27
-	28
	29
	30
	31
-	

Definitions/Glossary

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

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

PQL

QC RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
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.	c
Glossary		C
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	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)	1
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	

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control

4

5

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

Job ID: 880-26647-1

Client: Carmona Resources

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 ID: S-1 (0-0.25')

Date Collected: 03/30/23 00:00

Client: Carmona Resources

Client Sample Results

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

Lab Sample ID: 880-26647-1

Matrix: Solid

5

Method: SW846 8021B - Volatile Or Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	<0.00202	-	0.00202						
Ethylbenzene m-Xylene & p-Xylene o-Xylene			0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	
m-Xylene & p-Xylene o-Xylene	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	
o-Xylene		U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	
-	< 0.00403	U	0.00403		mg/Kg		04/03/23 09:52	04/04/23 12:04	
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		04/03/23 09:52	04/04/23 12:04	
	<0.00403	U	0.00403		mg/Kg		04/03/23 09:52	04/04/23 12:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		70 - 130				04/03/23 09:52	04/04/23 12:04	
1,4-Difluorobenzene (Surr)	103		70 - 130				04/03/23 09:52	04/04/23 12:04	
Method: TAL SOP Total BTEX - Tot	al BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/04/23 17:27	
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 21:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	102		70 - 130				04/01/23 09:23	04/02/23 21:10	
o-Terphenyl	90		70 - 130				04/01/23 09:23	04/02/23 21:10	
Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	25000		251		mg/Kg			04/03/23 17:29	5
Client Sample ID: S-1 (0.5')							Lab Sam	ple ID: 880-2	6647-
ate Collected: 03/30/23 00:00								Matri	ix: Soli
ate Received: 03/31/23 13:55									
Method: SW846 8021B - Volatile Or		ounds (GC) Qualifier		MDI	11-14		Dramanad	Analyzad	
Analyte Benzene	<0.00199		RL	MDL		D	Prepared	Analyzed	Dil Fa
			0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	
Toluene	< 0.00199		0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	
Ethylbenzene	< 0.00199		0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	
m-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg		04/03/23 09:52	04/04/23 12:24	
o-Xylene	<0.00199		0.00199		mg/Kg		04/03/23 09:52	04/04/23 12:24	

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26647-2

Client Sample ID: S-1 (0.5')

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00398	U	0.00398		mg/Kg			04/04/23 17:27	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<50.0	U	50.0		mg/Kg			04/03/23 13:53	1
Nethod: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sasoline Range Organics	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 22:17	1
GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 22:17	1
C10-C28)									
II 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
-Chlorooctane	102		70 - 130				04/01/23 09:23	04/02/23 22:17	1
-Terphenyl	90		70 - 130				04/01/23 09:23	04/02/23 22:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22500		250		mg/Kg			04/03/23 17:43	50

Date Received: 03/31/23 13:55

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 Cald	culation							
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 - Dies	el Range Organ	ics (DRO) (GO	C)						
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 - Die	sel Range Orga	nics (DRO) ((GC)						
			/						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 04/01/23 09:23	Analyzed 04/02/23 22:39	Dil Fac
Analyte	Result	Qualifier U	RL	MDL		<u> </u>			Dil Fac

Eurofins Midland

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26647-3

Project/Site: Man State 002H (03.15.23) Client Sample ID: S-2 (0-0.25')

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

Analyte		Qualifier	(GC) (Continue RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<49.9		49.9		mg/Kg		04/01/23 09:23	04/02/23 22:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	122		70 - 130				04/01/23 09:23	04/02/23 22:39	
o-Terphenyl	106		70 - 130				04/01/23 09:23	04/02/23 22:39	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	33600		249		mg/Kg			04/03/23 17:47	5
lient Sample ID: S-2 (0.5')							Lab Sam	ple ID: 880-2	6647-4
Date Collected: 03/30/23 00:00								Matri	x: Solie
Date Received: 03/31/23 13:55									
Method: SW846 8021B - Volatile	· ·					_	. .	.	
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fa
Benzene	0.00468		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	
	0.00320		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	
Ethylbenzene	<0.00199		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	
m-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg		04/03/23 09:52	04/04/23 13:05	
o-Xylene	<0.00199		0.00199		mg/Kg		04/03/23 09:52	04/04/23 13:05	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 13:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				04/03/23 09:52	04/04/23 13:05	
1,4-Difluorobenzene (Surr)	107		70 - 130				04/03/23 09:52	04/04/23 13:05	
Method: TAL SOP Total BTEX - 1	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Total BTEX	0.00788		0.00398		mg/Kg			04/04/23 17:27	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	103		70 - 130				04/01/23 09:23	04/02/23 23:01	
o-Terphenyl	89		70 - 130				04/01/23 09:23	04/02/23 23:01	
Mathadi EDA 200.0 Aniana Jan	Chromatogran	hy - Solubl	e						
wethod: EPA 300.0 - Anions, ion	omonatograp								
Method: EPA 300.0 - Anions, Ion Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

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

Date Collected: 03/30/23 00:00

Client: Carmona Resources

Client Sample Results

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

Lab Sample ID: 880-26647-5

Matrix: Solid

5

Mathada OMO 40 0004D - Malarit		aund- (00)							
Method: SW846 8021B - Volatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.00325		0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	
Toluene	0.00431		0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	
n-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/03/23 09:52	04/04/23 13:26	
p-Xylene	<0.00198		0.00198		mg/Kg		04/03/23 09:52	04/04/23 13:26	
Kylenes, Total	<0.00396		0.00396		mg/Kg		04/03/23 09:52	04/04/23 13:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Bromofluorobenzene (Surr)	97		70 - 130				04/03/23 09:52	04/04/23 13:26	
1,4-Difluorobenzene (Surr)	107		70 - 130				04/03/23 09:52	04/04/23 13:26	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
otal BTEX	0.00756		0.00396		mg/Kg			04/04/23 17:27	
Method: SW846 8015 NM - Diese									
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Fotal TPH	638		49.9		mg/Kg			04/03/23 13:53	
Nethod: SW846 8015B NM - Dies			• •						
nalyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Basoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	
GRO)-C6-C10			40.0		117		04/04/00 00 00	0.4/00/00 00 00	
Diesel Range Organics (Over C10-C28)	638		49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	
II Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/02/23 23:22	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Chlorooctane	105		70 - 130				04/01/23 09:23	04/02/23 23:22	
p-Terphenyl	93		70 - 130				04/01/23 09:23	04/02/23 23:22	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	40200		248		mg/Kg			04/03/23 17:56	50
lient Sample ID: S-3 (0.5')							Lab Sam	ple ID: 880-2	6647-6
ate Collected: 03/30/23 00:00								Matri	x: Solic
ate Received: 03/31/23 13:55									
Method: SW846 8021B - Volatile		OUNDER (GC) Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.00225		0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	Dirta
oluene	0.00225		0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	
thylbenzene	< 0.00200	П	0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	
n-Xylene & p-Xylene	<0.00401		0.00401		mg/Kg		04/03/23 09:52	04/04/23 13:46	
-Xylene	< 0.00200		0.00200		mg/Kg		04/03/23 09:52	04/04/23 13:46	
Kylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 09:52	04/04/23 13:46	
_									



Eurofins Midland

Surrogate

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

%Recovery Qualifier

98

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26647-6

Client Sample ID: S-3 (0.5')

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

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 - Diese	l Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 23:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 23:44	1
C10-C28)									
Oll 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
p-Terphenyl	90		70 - 130				04/01/23 09:23	04/02/23 23:44	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23100		253		mg/Kg			04/03/23 18:01	50

Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

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 Cal	culation							
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 - Dies	el Range Organ	ics (DRO) (0	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 - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/03/23 00:05	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/03/23 00:05	1
C10-C28)									

Eurofins Midland

Matrix: Solid

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

Lab Sample ID: 880-26647-7

Project/Site: Man State 002H (03.15.23) Client Sample ID: S-4 (0-0.25')

Date Collected: 03/30/23 00:00

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/03/23 00:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	103		70 - 130				04/01/23 09:23	04/03/23 00:05	
o-Terphenyl	89		70 - 130				04/01/23 09:23	04/03/23 00:05	
Method: EPA 300.0 - Anions, Ion C	Chromatograp	ohy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	11200		100		mg/Kg			04/03/23 18:06	20
lient Sample ID: S-4 (0.5')							Lab Sam	ple ID: 880-2	6647-8
ate Collected: 03/30/23 00:00 ate Received: 03/31/23 13:55								Matri	x: Solic
		evende (CC)							
Method: SW846 8021B - Volatile C Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	
Toluene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:27	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/03/23 09:52	04/04/23 14:27	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/03/23 09:52	04/04/23 14:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 _ 130				04/03/23 09:52	04/04/23 14:27	
1,4-Difluorobenzene (Surr)	109		70 - 130				04/03/23 09:52	04/04/23 14:27	
Method: TAL SOP Total BTEX - To	tal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/23 17:27	
Method: SW846 8015 NM - Diesel			C)						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	
Method: SW846 8015B NM - Diese									
Analyte	Result		RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:27	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:27	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23 04/03/23 00		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Surrogate 1-Chlorooctane	%Recovery 105	Qualifier	Limits 70 - 130				Prepared 04/01/23 09:23	Analyzed 04/03/23 00:27	Dil Fa

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

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

Lab Sample ID: 880-26647-9

Client Sample ID: S-5 (0-0.25') Date Collected: 03/30/23 00:00

Project/Site: Man State 002H (03.15.23)

Date Received: 03/31/23 13:55

Client: Carmona Resources

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 Fa
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 - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/04/23 17:27	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Fotal TPH	<49.9	U	49.9		mg/Kg			04/03/23 13:53	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 00:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	102		70 - 130				04/01/23 09:23	04/03/23 00:48	
p-Terphenyl	90		70 - 130				04/01/23 09:23	04/03/23 00:48	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Soluble	e de la companya de l						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	222		5.02		mg/Kg			04/03/23 19:18	
lient Sample ID: S-6 (0-0.2	5')						Lab Samp	le ID: 880-26	647-1(
ate Collected: 03/30/23 00:00								Matri	x: Solie
ate Received: 03/31/23 13:55									
Method: SW846 8021B - Volatile									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:52	04/04/23 15:08	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/03/23 09:52	04/04/23 15:08	
								0.4 /0.4 /0.5 · = = = :	

o-Xylene <0.00200 U 0.00200 mg/Kg 04/03/23 09:52 04/04/23 15:08 1 <0.00399 U 0.00399 04/03/23 09:52 04/04/23 15:08 Xylenes, Total mg/Kg 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 100 70 - 130 04/03/23 09:52 04/04/23 15:08 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 106 70 - 130 04/03/23 09:52 04/04/23 15:08 1

Eurofins Midland

Matrix: Solid

Page 12 of 31

Released to Imaging: 4/12/2024 10:36:53 AM

Matrix: Solid

Client Sample Results

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

Lab Sample ID: 880-26647-10

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

Project/Site: Man State 002H (03.15.23)

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

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	T
Method: SW846 8015 NM - Diesel	Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	ī
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 01:09	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:23	04/03/23 01:09	1	
C10-C28)										
Oll 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	2
	0		_							
Method: EPA 300.0 - Anions, Ion		-								1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	36.1		5.00		mg/Kg			04/03/23 19:33	1	

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

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

S-2 (0-0.25')

S-3 (0-0.25')

S-4 (0-0.25')

S-5 (0-0.25')

S-6 (0-0.25')

Method Blank

Lab Control Sample

Lab Control Sample Dup

S-2 (0.5')

S-3 (0.5')

S-4 (0.5')

BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 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

101

100

97

98

101

101

101

100

98

99

91

110

107

107

105

107

109

102

106

108

108

100

880-26647-3

880-26647-4

880-26647-5

880-26647-6

880-26647-7

880-26647-8

880-26647-9

880-26647-10

LCS 880-50149/1-A

MB 880-50149/5-A

LCSD 880-50149/2-A

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 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') 88 113 880-26647-2 90 S-1 (0.5') 102 880-26647-3 S-2 (0-0.25') 122 106 880-26647-4 S-2 (0.5') 103 89 880-26647-5 105 93 S-3 (0-0.25') 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

Job ID: 880-26647-1

Prep Type: Total/NA

SDG: Eddy County, New Mexico

Released to Imaging: 4/12/2024 10:36:53 AM

Prep Type: Total/NA

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50149	/ 5-A			Client Sa	mple ID: Metho	d Blank			
Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 50287								Prep Batch	n: 50149
	MB	MB							
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 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
	MB	МВ							
Surrogate	%Recovery	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 880-5014	9/1-A					C	lient Sample I	D: Lab Control	Sample

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

Analysis Batch: 50287

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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

						Prep	Batch:	50149
Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.09302		mg/Kg		93	70 - 130	2	35
0.100	0.08967		mg/Kg		90	70 - 130	2	35
0.100	0.08195		mg/Kg		82	70 - 130	3	35
0.200	0.1605		mg/Kg		80	70 - 130	3	35
0.100	0.08234		mg/Kg		82	70 - 130	2	35
	Added 0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.09302 0.100 0.08967 0.100 0.08195 0.200 0.1605	Added Result Qualifier 0.100 0.09302 0.00302 0.100 0.08967 0.008195 0.200 0.1605 0.1005	Added Result Qualifier Unit 0.100 0.09302 mg/Kg 0.100 0.08967 mg/Kg 0.100 0.08195 mg/Kg 0.200 0.1605 mg/Kg	Added Result Qualifier Unit D 0.100 0.09302 mg/Kg 0.100 0.08967 mg/Kg 0.100 0.08195 mg/Kg 0.200 0.1605 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09302 mg/Kg 93 0.100 0.08967 mg/Kg 90 0.100 0.08195 mg/Kg 82 0.200 0.1605 mg/Kg 80	Spike LCSD LCSD %Rec Added Result Qualifier Unit D %Rec Limits 0.100 0.09302 mg/Kg 93 70 - 130 0.100 0.08967 mg/Kg 90 70 - 130 0.100 0.08195 mg/Kg 82 70 - 130 0.200 0.1605 mg/Kg 80 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.09302 mg/Kg 93 70 - 130 2 0.100 0.08967 mg/Kg 90 70 - 130 2 0.100 0.08195 mg/Kg 82 70 - 130 3 0.200 0.1605 mg/Kg 80 70 - 130 3

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

Lab Sample ID: 880-26647-1 MS Matrix: Solid

Analysia Bataby 50297

Analysis Batch: 50287									Prep	Batch: 50149
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Eurofins Midland

Prep Type: Total/NA

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

13

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 50149

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

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

Matrix: Solid Analysis Batch: 50287										ype: Tot Batch: {	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								
Lab Sample ID: 880-26647-1 MS	SD							Client	Sample ID	: S-1 (0-	0.25"
Matrix: Solid								onone		ype: Tot	
Analysis Batch: 50287										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec	Duton	RPC
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								
lethod: 8015B NM - Diesel	Range O	roanics (E	DRO) (GC)								
	i lange ei	<u>g</u> uiice (1	(00)								
								Client S	ample ID:	Method I	Blank
	1-A							•			
Lab Sample ID: MB 880-50085/′ Matrix: Solid Analysis Batch: 50089	1-A								Prep 1	ype: Tot Batch:	al/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/23 09:23	04/02/23 20:04	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		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
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.9		mg/Kg		91	70 - 130
Diesel Range Organics (Over	1000	791.8		mg/Kg		79	70 - 130

70 - 130

108

Eurofins Midland

04/01/23 09:23 04/02/23 20:04

o-Terphenyl

C10-C28)

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

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

Lab Sample ID: LCS 880-50	085/2-A						Client	t Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep T	Type: Tot	tal/N/
Analysis Batch: 50089									Prep	Batch:	500 8
	LCS	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	94		70 - 130								
Lab Sample ID: LCSD 880-5	0085/3-A					Clier	nt San	nole ID:	Lab Contro	l Sample	e Du
Matrix: Solid										ype: To	
Analysis Batch: 50089										Batch:	
			Spike	LCSD	LCSD				%Rec		RPI
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	869.8		mg/Kg		87	70 - 130	5	2
(GRO)-C6-C10			1000	046.4		malla		05	70 120	10	2
Diesel Range Organics (Over C10-C28)			1000	946.4		mg/Kg		95	70 - 130	18	2
010-020											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	78		70 - 130								
Analysis Batch: 50089	-	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	Prep %Rec Limits	Batch:	5008
Analyte Gasoline Range Organics	Result <49.9		998	1080	Qualifier			103	70 - 130		
(GRO)-C6-C10						mg/Kg					
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1003		mg/Kg		99	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	89		70 - 130								
Lab Sample ID: 880-26647-1								Client	Sample ID	: S-1 (0-	-0.25
Matrix: Solid										Type: Tot	
Analysis Batch: 50089										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics	<49.9		999	995.1		mg/Kg		95	70 - 130	8	2
(GRO)-C6-C10											
	<49.9	U	999	987.0		mg/Kg		97	70 - 130	2	2
	MSD	MSD									
Diesel Range Organics (Over C10-C28) Surrogate	MSD %Recovery		Limits								
C10-C28)			Limits 70 - 130								

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-	Α									Client S	Sample ID:		
Matrix: Solid											Prep	Type: S	Soluble
Analysis Batch: 50197		МВ МВ											
Analyte	P	wowo esult Quali	fior	RL		MDL Ur	it.	D	D	repared	Analyz	od	Dil Fac
Analyte		5.00 U		5.00			g/Kg	<u> </u>	P1	repareu			1 DII Fac
		5.00 0		5.00		ιų	y/rxy				04/03/23	19.04	1
Lab Sample ID: LCS 880-50109/2 Matrix: Solid	- A							CI	ient	Sample	D: Lab Co		Sample Soluble
Analysis Batch: 50197											Fieh	Type. C	Soluple
Analysis Baten. ou for			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits		
Chloride			250		254.7		mg/Kg		—	102	90 - 110		
-							0.0						
Lab Sample ID: LCSD 880-50109	/ 3-A						CI	ient :	Sam	ple ID:	Lab Contro	I Samp	le Dup
Matrix: Solid											Prep	Type: S	Soluble
Analysis Batch: 50197													
			Spike		LCSD	LCSD					%Rec		RPD
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limit
Chloride			250		255.4		mg/Kg		-	102	90 - 110	0	20
										0	0		
Lab Sample ID: 880-26647-9 MS										Client	Sample ID		
Matrix: Solid											Prep	Type: s	Soluble
Analysis Batch: 50197	Comula	Comula	Calka		ме	MS					0/ Dee		
Amelia		Sample Qualifier	Spike Added				.				%Rec		
					Result	Qualifie	r Unit		D	%Rec	Limits		
	222	Quaimer	251		475.3		mg/Kg		_	101	90 - 110	: S-5 (0-0.25')
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197	222	Quaimer			475.3		mg/Kg		_	101	90 - 110 Sample ID		0-0.25') Soluble
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197	222) Sample	Sample	251 Spike		MSD	MSD			_	101 Client	90 - 110 Sample ID Prep %Rec	Type: §	
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte	222) Sample Result		251 Spike Added		MSD Result	MSD Qualifie	r <u>Unit</u>		D	101 Client %Rec	90 - 110 Sample ID Prep %Rec Limits	Type: S	Soluble RPD Limit
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197	222) Sample	Sample	251 Spike		MSD					101 Client	90 - 110 Sample ID Prep %Rec	Type: §	Soluble RPD Limit
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride	222 Sample Result 222	Sample	251 Spike Added		MSD Result		r <u>Unit</u>		_	101 Client %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: \$	RPD Limit
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1-	222 Sample Result 222	Sample	251 Spike Added		MSD Result		r <u>Unit</u>		_	101 Client %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID:	Type: S	RPD Limit 20
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid	222 Sample Result 222	Sample	251 Spike Added		MSD Result		r <u>Unit</u>		_	101 Client %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID:	Type: S	RPD Limit 20
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1-	222 Sample Result 222	Sample Qualifier	251 Spike Added		MSD Result		r <u>Unit</u>		_	101 Client %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID:	Type: S	RPD Limit 20
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200	222 Sample Result 222	Sample Qualifier MB MB	251 Spike Added 251		MSD Result 473.2		r Unit mg/Kg		_	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: 1 Prep	Type: §	RPD Limit 20 I Blank Soluble
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid	Sample Result 222 A	Sample Qualifier	251 Spike Added 251		MSD Result 473.2	Qualifie	r Unit mg/Kg	<u>D</u> .	_	101 Client %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID:	Type: §	RPD Limit 20
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251		MSD Result 473.2	Qualifie	r <u>Unit</u> mg/Kg	<u>D</u> .	_	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz	Type: §	RPD Limit 20 d Blank Soluble Dil Fac
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251		MSD Result 473.2	Qualifie	r <u>Unit</u> mg/Kg		P	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz	Type: §	RPD Limit 20 d Blank Soluble Dil Fac
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251		MSD Result 473.2	Qualifie	r <u>Unit</u> mg/Kg		P	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: PrepAnalyz 04/03/23	Type: §	RPD Limit 20 d Blank Soluble Dil Fac 1 Sample
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251		MSD Result 473.2	Qualifie	r <u>Unit</u> mg/Kg		P	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 04/03/23 D: Lab Co	Type: §	RPD Limit 20 d Blank Soluble Dil Fac 1 Sample
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251		MSD Result 473.2	Qualifie	r <u>Unit</u> mg/Kg		P	101 Client %Rec 100 Client S	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 04/03/23 D: Lab Co	Type: §	RPD Limit 20 d Blank Soluble Dil Fac 1 Sample
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte	Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251	RL 5.00	MSD Result 473.2 LCS Result	Qualifie	r Unit mg/Kg nit g/Kg		P	101 Client %Rec 100 Client S repared Sample %Rec	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 04/03/23 Prep %Rec Limits	Type: §	RPD Limit 20 d Blank Soluble Dil Fac 1 Sample
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200	Sample Result 222 A	Sample Qualifier MB MB esult Quali	251 Spike Added 251 fier	RL 5.00	MSD Result 473.2	Qualifie	r Unit mg/Kg nit		Pi	101 Client %Rec 100 Client S repared Sample	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 04/03/23 e ID: Lab Co Prep %Rec	Type: §	RPD Limit 20 d Blank Soluble Dil Fac 1 Sample
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Chloride	222 Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251	RL 5.00	MSD Result 473.2 LCS Result	Qualifie	r Unit mg/Kg nit g/Kg r Unit mg/Kg	CI	Pi ient	101 Client %Rec 100 Client S repared Sample %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 04/03/23 Prep %Rec Limits 90 - 110	Type: §	RPD Limit 20 I Blank Soluble Dil Fac 1 Sample Soluble
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCSD 880-50108/2	222 Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251	RL 5.00	MSD Result 473.2 LCS Result	Qualifie	r Unit mg/Kg nit g/Kg r Unit mg/Kg	CI	Pi ient	101 Client %Rec 100 Client S repared Sample %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz 04/03/23 Prep %Rec Limits 90 - 110 Lab Contro	Type: § RPD 0 Method Type: § ced 15:53 ontrol § Type: § ol Samp	Soluble RPD Limit 20 d Blank Soluble Dil Fac 1 Sample Soluble Dil Fac
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCSD 880-50108.	222 Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251	RL 5.00	MSD Result 473.2 LCS Result	Qualifie	r Unit mg/Kg nit g/Kg r Unit mg/Kg	CI	Pi ient	101 Client %Rec 100 Client S repared Sample %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz 04/03/23 Prep %Rec Limits 90 - 110 Lab Contro	Type: § RPD 0 Method Type: § ced 15:53 ontrol § Type: § ol Samp	Soluble RPD Limit 20 Blank Soluble Dil Fac 1 Sample Soluble Ole Dup
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCSD 880-50108/2	222 Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251 fier Spike Added 250	RL 5.00	MSD Result 473.2 LCS Result 249.0	Qualifie	r Unit mg/Kg nit g/Kg r Unit mg/Kg	CI	Pi ient	101 Client %Rec 100 Client S repared Sample %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz 04/03/23 Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: § RPD 0 Method Type: § ced 15:53 ontrol § Type: § ol Samp	Soluble RPD Limit 20 Blank Soluble Dil Fac 1 Sample Soluble Dil Fac ble Dup Soluble
Chloride Lab Sample ID: 880-26647-9 MSE Matrix: Solid Analysis Batch: 50197 Analyte Chloride Lab Sample ID: MB 880-50108/1- Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCS 880-50108/2 Matrix: Solid Analysis Batch: 50200 Analyte Chloride Lab Sample ID: LCSD 880-50108.	222 Sample Result 222 A	Sample Qualifier MB MB esult Quali	Spike Added 251	RL 5.00	MSD Result 473.2 LCS Result 249.0	Qualifie	r Unit mg/Kg nit g/Kg r Unit mg/Kg Cl	CI	Pi ient	101 Client %Rec 100 Client S repared Sample %Rec 100	90 - 110 Sample ID Prep %Rec Limits 90 - 110 Sample ID: I Prep Analyz 04/03/23 Prep %Rec Limits 90 - 110 Lab Contro	Type: § RPD 0 Method Type: § ced 15:53 ontrol § Type: § ol Samp	Soluble RPD Limit 20 Blank Soluble Dil Fac 1 Sample Soluble Ole Dup

Eurofins Midland

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							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 50200											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
	45.8		252	301.3		mg/Kg		101	90 - 110		
Chloride Lab Sample ID: 880-26646-A-7 Matrix: Solid Analysis Batch: 50200			252	301.3		0 0	ent Sa): Matrix Sp	oike Dup Type: Se	
Lab Sample ID: 880-26646-A-7 Matrix: Solid	7-F MSD	Sample	252 Spike		MSD	0 0	ent Sa): Matrix Sp		
Lab Sample ID: 880-26646-A-7 Matrix: Solid	2-F MSD Sample	Sample Qualifier		MSD	MSD Qualifier	0 0	ent Sa D): Matrix Sp Prep		oluble

Eurofins Midland

QC Association Summary

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

Client Sample ID

S-1 (0-0.25')

S-2 (0-0.25')

S-3 (0-0.25')

S-4 (0-0.25')

S-5 (0-0.25')

S-6 (0-0.25')

Method Blank

S-1 (0-0.25')

S-1 (0-0.25')

Lab Control Sample

Lab Control Sample Dup

S-1 (0.5')

S-2 (0.5')

S-3 (0.5')

S-4 (0.5')

GC VOA

880-26647-1

880-26647-2

880-26647-3

880-26647-4

880-26647-5

880-26647-6

880-26647-7

880-26647-8

880-26647-9

880-26647-10

MB 880-50149/5-A

LCS 880-50149/1-A

880-26647-1 MS

880-26647-1 MSD

LCSD 880-50149/2-A

Prep Batch: 50149

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

Method

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

5035

Page 62 of 190 180-26647-1

Prep Batch

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	Ргер Туре	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	

Prep Type

Total/NA

Matrix

Solid

QC Association Summary

Prep Type

Total/NA

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

Client Sample ID

S-1 (0-0.25')

S-2 (0-0.25')

S-3 (0-0.25')

S-4 (0-0.25')

S-5 (0-0.25')

S-6 (0-0.25')

Method Blank

S-1 (0-0.25')

S-1 (0-0.25')

Lab Control Sample

Lab Control Sample Dup

S-1 (0.5')

S-2 (0.5')

S-3 (0.5')

S-4 (0.5')

GC Semi VOA Prep Batch: 50085

880-26647-1

880-26647-2

880-26647-3

880-26647-4

880-26647-5

880-26647-6

880-26647-7

880-26647-8

880-26647-9

880-26647-10

MB 880-50085/1-A

LCS 880-50085/2-A

880-26647-1 MS

880-26647-1 MSD

LCSD 880-50085/3-A

Page 63 of 190

Prep Batch

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

Method

8015NM Prep

Matrix

Solid

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	Ргер Туре	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

Prep Type

Soluble

Matrix

Solid

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

Client Sample ID

S-1 (0-0.25')

S-2 (0-0.25')

S-3 (0-0.25')

S-4 (0-0.25')

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

S-1 (0.5')

S-2 (0.5')

S-3 (0.5')

S-4 (0.5')

HPLC/IC

Leach Batch: 50108

Lab Sample ID

880-26647-1

880-26647-2

880-26647-3

880-26647-4

880-26647-5

880-26647-6

880-26647-7

880-26647-8

MB 880-50108/1-A

LCS 880-50108/2-A

LCSD 880-50108/3-A

880-26646-A-7-E MS

880-26646-A-7-F MSD

Leach Batch: 50109

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

Method

DI Leach

Page 64 of 190

Prep Batch

2 3 4 5 6 7 8

9 10 11

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	Ргер Туре	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

Initial

Amount

4.96 g

5 mL

10.03 g

1 uL

4.98 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

50149

50287

50333

50201

50085

50089

50108

50200

Number

Dil

1

1

1

1

50

Factor

Run

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Client Sample ID: S-1 (0-0.25') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

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

Lab Sample ID: 880-26647-1 Matrix: Solid

Analyst

MNR

MNR

SM

SM

A.I

SM

ĸs

SMC

Lab Sample ID: 880-26647-2

Lab Sample ID: 880-26647-3

Lab Sample ID: 880-26647-4

Prepared

or Analyzed

04/03/23 09:52

04/04/23 12:04

04/04/23 17:27

04/03/23 13:53

04/01/23 09:23

04/02/23 21:10

04/03/23 06:35

04/03/23 17:29

9 10 11

Matrix: Solid

Client Sample ID: S-1 (0.5') Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID

Eurofins Midland

Matrix: Solid

1 uge 05 0J

Lab

EET MID

Matrix: Solid

Released to Imaging: 4/12/2024 10:36:53 AM

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

Lab Sample ID: 880-26647-4 Matrix: Solid

Lab Sample ID: 880-26647-5

Lab Sample ID: 880-26647-6

Lab Sample ID: 880-26647-7

Matrix: Solid

Matrix: Solid

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client Sample ID: S-2 (0.5')

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Matrix: Solid

5

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

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

Lab Sample ID: 880-26647-7 Matrix: Solid

Lab Sample ID: 880-26647-8

Matrix: Solid

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50149	04/03/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50287	04/04/23 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50333	04/04/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			50201	04/03/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50085	04/01/23 09:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50089	04/03/23 01:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50109	04/03/23 06:36	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50197	04/03/23 19:33	SMC	EET MID

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-26647-9

Lab Sample ID: 880-26647-10

Matrix: Solid

Lab Chronicle

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

Laboratory References: EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 Job ID: 880-26647-1 SDG: Eddy County, New Mexico

Eurofins Midland

10

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

Laboratory: Eurofins Midland

Project/Site: Man State 002H (03.15.23)

Client: Carmona Resources

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

uthority	P	rogram	Identification Number	Expiration Date
exas	N	IELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, b	out the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for v
the agency does not of		Matrix	Analyta	
Analysis Method	fer certification. Prep Method	Matrix	Analyte	
8 ,		Matrix Solid Solid	Analyte Total TPH Total BTEX	

Eurofins Midland

Client: Carmona Resources

Method Summary

Page 70 of 190

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

> EET MID EET MID

SW846

ASTM

SDG: Edd	y County, New N
Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID
SW846	EET MID
	Protocol SW846 TAL SOP SW846 SW846 EPA

Protocol References:

8015NM Prep

DI Leach

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Deionized Water Leaching Procedure

Laboratory References:

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

5

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	
380-26647-10	S-6 (0-0.25')	Solid	03/30/23 00:00	03/31/23 13:55	

Contractivity Carrents Contractivity Contractity Contractivity Contractivity </th <th>ny Name s ate ZIP</th> <th></th> <th></th> <th>Bill to (if different)</th> <th><u> </u></th> <th>Carmona Resources</th> <th>esources</th> <th></th> <th></th> <th></th> <th></th> <th>Wo</th> <th>Work Order Comments</th> <th>mments</th> <th></th>	ny Name s ate ZIP			Bill to (if different)	<u> </u>	Carmona Resources	esources					Wo	Work Order Comments	mments	
at 310 WVeillS Sie 500 Address Address State of Project att 2/P Malland, TX 75101 Evel State 27 Evel State 27 Developed 10 482.31 Enable 1000-101.1 2.002) Enable 1000-101.1 2.002) Enable 1000-101.1 2.002) Developed 10 Milling Malland, TX 75101 Evel State 20 Evel State 20 Developed 10 Milling Malland, TX 75101 Enable 1000-1001.1 2.002) Enable 1000-1001.1 2.002) Developed 10 Milling Malland, TX 75101 Enable 1000-1001.1 2.002) Enable 1000-1001.1 2.002) Developed 10 Milling Tomber 2010 Enable 1000-1001.1 2.002) Malland, TX 7510 Developed 10 Milling Tomber 2010 Enable 100-1000-100 Eveloped 10 Note: 10 Note: 10 Milling Tomber Tom Malland, TX 7510 Malland, TX 7500-1000 Note: 10 Note: 10 Note: 10 Milling Tom Milling Tom Malland, TX 7500-100 Note: 10 Note: 10 Note: 10 Note: 10 Milling Tom	s ate ZIP	sources		Company Name							Program: US	T/PST PR	P Brownfie	elds RRC	
Image: Inclusion of the state of	ate ZIP	St Ste 500		Address							State of Proje	Ĭ)		
		79701		City, State ZIP							Reporting Lev	el II 🗌 Level			
Number Man State 002H (03.15 2023) Turn Around And. YSIS REQUEST Toma And. YSIS REQUEST Presention Number 2010		23	Email	<u>mcarmona@can</u>	monareso	rces.col							ADaPT [
Number 2010 Itention 2010 Reduite Reduite Reduite Reduite Reduite Reduite Reduite None NO et Name MM (PI) MM (PI) </td <td></td> <td>State 002H (03.15 2023)</td> <td>Turn</td> <td>Around</td> <td></td> <td></td> <td></td> <td></td> <td>ANALY</td> <td>SIS REC</td> <td>UEST</td> <td></td> <td></td> <td>Preserva</td> <td>tive Codes</td>		State 002H (03.15 2023)	Turn	Around					ANALY	SIS REC	UEST			Preserva	tive Codes
Iteration Eddy County, New Mexico Due Date 72 Hrs P <td>Project Number</td> <td>2010</td> <td>C Routine</td> <td>J Rush</td> <td>Pres. Code</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>one NO</td> <td>DI Water H-</td>	Project Number	2010	C Routine	J Rush	Pres. Code	 								one NO	DI Water H-
mts mts <td></td> <td>dy County, New Mexico</td> <td>Due Date</td> <td>72 Hrs</td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>		dy County, New Mexico	Due Date	72 Hrs		 				-					
PLE RECEIPT Tegre glank Vas. (o) Wet loe Ves. (o) Wet loe Ves. (o) Wet loe Ves. (o) Wet loe Ves. (o) Wet loe Match loe	er's Name	MM / GPJ				(୦୪।							<u> </u>	CL HC	HNO, HN
Tagge Blank Ves. No. Wettoe No. Thermometer ID Mode Mode <th< td=""><td>0#;</td><td></td><td></td><td>¢</td><td>S.</td><td>WI +</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SO, H,</td><td>NaOH Na</td></th<>	0#;			¢	S.	WI +								SO, H,	NaOH Na
(4es No Thermometer ID 7.2 vss No Korrection Factor 7 Paran 1 Ves No Korrection Factor 7 2 Corrected Temperature Keteling 7 Paran 25 3/30/2023 X X X X 25 3/30/2023 X K K K K 25 3/30/2023 X K K K K K 25			Wet Ice	5	ıətəl		0.0						<u> </u>		
Yes No. WA Correction Factor -			0	SUL	ner		0C a								
YesNo. (\overline{M}) Temperature Reading -1 , \overline{C} BI \overline{C} fillfrationDateTimeSoilWater \overline{Grab} # of \overline{F} \overline{F} \overline{F} \overline{F} frationDateTimeSoilWater \overline{Grab} \overline{F} \overline{F} \overline{F} \overline{F} \overline{F} \overline{F} 330/2023X \overline{G} 1 XXX \overline{F} \overline{F} \overline{F} \overline{F} 330/2023X \overline{G} 1 XX \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 XX \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X X \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X X \overline{K} \overline{K} \overline{K} \overline{K} \overline{F} 330/2023X \overline{G} 1 X X X \overline{K}		No WA	or	52.1	вЧ		piro						: Ż		
feationDateTimeSoilWater $\begin{bmatrix} Grabi}{k} # of$ fieationDateTimeSoilWater $\begin{bmatrix} Grabi}{k} # of$ (5) $3/30/2023$ X (2) (3) (2) (2) (5) $3/30/2023$ X (2) (2) (2) (2) (2) (3) $3/30/2023$ X (2) (2) (2) (2) (2) (2) (3) $3/30/2023$ X (2) (1) (X) (X) (2) (2) (3) $3/30/2023$ X (2) (1) (X) (X) (2) (2) (3) $3/30/2023$ X (2) (1) (X) (2) (2) (3) $(3)/2023$ (X) (2) (1) (X) (2) (1) (3) $(3)/2023$ (X) (2) (1) (X) (2) (1) (3) $(3)/2023$ (2) (1) (2) (1) (2) (2) (2) (3) $(3)/2023$ (X) (2) (1) (X) (2) (1) (2) (3) $(3)/2023$ <td< td=""><td></td><td>K/A</td><td>eading</td><td>01-1-</td><td></td><td></td><td>440</td><td></td><td></td><td></td><td></td><td></td><td></td><td>agugug, Maun</td><td>3 1 1 2</td></td<>		K/A	eading	01-1-			440							agugug, Maun	3 1 1 2
Date Time Soli Water Graph # of \mathbb{F} 3/30/2023 X		þ	perature	1.5		5108								aOH+Ascorbic	Acid SAPC
Mathematication Mathematication Comp Comp <th< td=""><td>Samnia Idantification</td><td></td><td></td><td> </td><td># of</td><td>HdT</td><td></td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td></th<>	Samnia Idantification				# of	HdT							<u> </u>		
330/2023 X			2011		Cont									Sample (comments
3/30/2023 X	S-1 (0-0.25')	3/30/2023	×	<u>თ</u>	-		×							A13	
330/2023 X	S-1 (0 5')	3/30/2023	×	U	-		×								
3/30/2023 X	S-2 (0-0 25')	3/30/2023	×	U	+		×								
3/30/2023 X	S-2 (0 5')	3/30/2023	×	U	+	┝	×					+	╞		
3/30/2023 X	S-3 (0-0 25')	3/30/2023	×	U	+		×							200 (06) (160 (1/10 (1/10 (1/10))	ļ
3/30/2023 X X X X X X X X 3/30/2023 X X X X X X X X 3/30/2023 X X X X X X X X 3/30/2023 X X X X X X X X	S-3 (0 5')	3/30/2023	×	σ	-		×	<u>}</u>		<u> </u>					
3(30/2023 X X X X X X X 3(30/2023 X X X X X X X 3(30/2023 X X X X X X X	S-4 (0-0 25')	3/30/2023	×	σ	-		×			<u> </u>					
3/30/2023 X X X X X 3/30/2023 X G 1 X X X	S-4 (0 5')	3/30/2023	×	ე			×			-					
3/30/2023 X G 7 X X	S-5 (0-0 25')	3/30/2023	×	თ		├	×				₽ 	-26647 Chi	ain of Custoc	dy	
	S-6 (0-0 25')	3/30/2023	×		~		×								
		Relinquished by (Signature)				te/Time				Reo	sived hv. (Sion	at ro)			o mi Ti oto
Date/Time Baceived hur (Signature)	Alt a raine	14100			M	51	5			Ď	Inc) to man	<u>Mauley</u>			
Relinquished by (Signature) Date/Time Received by (Signature) Date/Time Date/Time	1 N JUNIN	WUMAN				52	1				>				
Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 26647 List Number: 1 Creator: Rodriguez, Leticia

Question Answer Comment The cooler's custody seal, if present, is intact. N/A N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) 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 True MS/MSDs

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Job Number: 880-26647-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland



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





Received by OCD: 4/11/2024 8:43:23 AM

1

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

RAMER

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

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
	6
Surrogate Summary	12
QC Sample Results	13
	17
Lab Chronicle	20
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
	27

2

Definitions/Glossary

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

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

NEG

POS

PQL PRES

QC

RER

RL RPD

TEF TEQ

TNTC

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
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.	0
Glossary		0
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	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)	13
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)	

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control Project/Site: Man State 002H (03.15.23)

4

5

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

Job ID: 880-26646-1

Client: Carmona Resources

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

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

Lab Sample ID: 880-26646-1

Matrix: Solid

5

Project/Site: Man State 002H (03.15.23)
Client Sample ID: H-1 (0-0.5')

Client: Carmona Resources

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

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
Foluene	<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
n-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 09:46	04/04/23 17:21	1
p-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 Fa
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 - To	tal BTEX Calo	culation							
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 Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	
GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	96		70 - 130				04/01/23 09:27	04/03/23 02:27	
p-Terphenyl	89		70 - 130				04/01/23 09:27	04/03/23 02:27	
Method: EPA 300.0 - Anions, Ion 0	hromatograg	hy - Solub	le						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	95.3		5.03		mg/Kg			04/03/23 16:34	
lient Sample ID: H-2 (0-0.5')							Lab Sam	ple ID: 880-2	6646-2
ate Collected: 03/30/23 00:00 ate Received: 03/31/23 13:55								Matri	x: Solic
Method: SW846 8021B - Volatile C	rganic Comp	ounde (GC	<u>`````````````````````````````````````</u>						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199		0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	
Toluene	< 0.00199		0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	
Ethylbenzene	< 0.00199		0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	
n-Xylene & p-Xylene	< 0.00398		0.00398		mg/Kg		04/03/23 09:46	04/04/23 17:42	
p-Xylene		U	0.00199		mg/Kg		04/03/23 09:46	04/04/23 17:42	
Kylenes, Total	<0.00398		0.00398		mg/Kg		04/03/23 09:46	04/04/23 17:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-		-							
4-Bromofluorobenzene (Surr)	105		70 - 130				04/03/23 09:46	04/04/23 17:42	1

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26646-2

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

Project/Site: Man State 002H (03.15.23)

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:47	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 02:47	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.7		4.96		mg/Kg			04/03/23 16:48	1
lient Sample ID: H-3 (0-0.5								ple ID: 880-2	

Date Received: 03/31/23 13:55

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

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 R	ange Organi	ics (DRO) (O	SC)						
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 <49.9 U 49.9 04/01/23 09:27 04/03/23 03:08 mg/Kg 1 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 04/01/23 09:27 04/03/23 03:08 mg/Kg 1 C10-C28)

Eurofins Midland

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26646-3

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

Project/Site: Man State 002H (03.15.23)

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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	Chromatograp	hy - Solubl	e						
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 Sam	ple ID: 880-2	6646-4
Date Collected: 03/30/23 00:00								Matri	x: Solid

Date Received: 03/31/23 13:55

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	Organ	ics (DRO) (GC)							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
L	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	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/03/23 03:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/01/23 09:27	04/03/23 03:28	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		4.96		mg/Kg			04/03/23 16:57	1

Project/Site: Man State 002H (03.15.23)

Client Sample Results

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

Lab Sample ID: 880-26646-5

Matrix: Solid

5

Client Sample ID: H-5 (0-0.5') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/03/23 09:46	04/04/23 18:44	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	
Xylenes, Total	<0.00200		0.00200		mg/Kg		04/03/23 09:46	04/04/23 18:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		Quanner	70 - 130				04/03/23 09:46	04/04/23 18:44	Diria
1,4-Difluorobenzene (Surr)	99		70 - 130 70 - 130				04/03/23 09:46	04/04/23 18:44	
1,4-Dilluolobenzene (Sull)	99		70 - 130				04/03/23 09.40	04/04/23 10.44	
Method: TAL SOP Total BTEX -						_			
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/05/23 11:31	
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			04/03/23 11:24	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	
(GRO)-C6-C10	<10.0		40.0		malla		04/04/02 00:07	04/02/22 02:49	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 03:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				04/01/23 09:27	04/03/23 03:48	
o-Terphenyl	83		70 - 130				04/01/23 09:27	04/03/23 03:48	
Method: EPA 300.0 - Anions, lor	n Chromatogram	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	61.6		5.01		mg/Kg			04/03/23 17:02	
lient Sample ID: H-6 (0-0.	5')						l ah Sam	ple ID: 880-2	6646-
ate Collected: 03/30/23 00:00	-)						Lub Oum	-	x: Soli
ate Received: 03/31/23 13:55									
	Organic Com	ounds (GC))						
Method: SW846 8021B - Volatile	•	ounds (GC) Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8021B - Volatile Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 04/03/23 09:46	Analyzed	Dil Fa
Method: SW846 8021B - Volatile Analyte Benzene	Result	Qualifier	RL 0.00201	MDL	mg/Kg	<u>D</u>	04/03/23 09:46	04/04/23 19:05	-
Method: SW846 8021B - Volatile Analyte Benzene Toluene	Result <0.00201 <0.00201	Qualifier U U	RL 0.00201 0.00201	MDL	mg/Kg mg/Kg	<u>D</u>	04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05	-
Method: SW846 8021B - Volatile Analyte Benzene Foluene Ethylbenzene	Result <0.00201 <0.00201 <0.00201	Qualifier U U U	RL 0.00201 0.00201 0.00201	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05	-
Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00201	Qualifier U U U U U	RL 0.00201 0.00201 0.00201 0.00402	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05	-
Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene	Result <0.00201	Qualifier U U U U U U	RL 0.00201 0.00201 0.00201 0.00402 0.00201	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05	Dil Fa
Method: SW846 8021B - Volatile Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene o-Xylene	Result <0.00201	Qualifier U U U U U U	RL 0.00201 0.00201 0.00201 0.00402	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05	Dil Fa
Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Result <0.00201	Qualifier U U U U U U	RL 0.00201 0.00201 0.00201 0.00201 0.00402 0.00402 0.00402 Limits	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 Prepared	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 Analyzed	
ate Received: 03/31/23 13:55 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofiuorobenzene (Surr)		Qualifier U U U U U U U	RL 0.00201 0.00201 0.00201 0.00201 0.00402 0.00402 0.00402	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46 04/03/23 09:46	04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05 04/04/23 19:05	-

Matrix: Solid

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26646-6

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

Project/Site: Man State 002H (03.15.23)

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:09	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.8		4.97		mg/Kg			04/03/23 17:06	1

Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

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

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 - Dies	sel Range Organ	ics (DRO) (C	SC)						
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 - Di Analyte		nics (DRO) Qualifier	(<mark>GC)</mark> RL	MDL	Unit	D	Prepared	A	
					Unit		Flepaleu	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9		49.9		mg/Kg		04/01/23 09:27	04/03/23 04:30	Dil Fac

Eurofins Midland

Client Sample P

Matrix: Solid

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-26646-7

Client Sample ID: H-7 (0-0.5') Date Collected: 03/30/23 00:00

Project/Site: Man State 002H (03.15.23)

Date Received: 03/31/23 13:55

Client: Carmona Resources

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

Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

Method: SW846 8021B - Volati	le Organic Comp	ounds (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 F	Range Organi	ics (DRO) (G	iC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	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	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:52	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/01/23 09:27	04/03/23 04:52	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.3		5.04		mg/Kg			04/03/23 17:24	1

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

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

				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-Bromofluorober				
DFBZ = 1,4-Difluorobenz	zene (Surr)			

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

-			
		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

Eurofins Midland

Page 85 of 190

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

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50148/5-A							Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 50286								Prep Batch	n: 50148
	MB	MB							
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 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
	МВ	МВ							
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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							Prep	Prep Batch: 50148		
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08455		mg/Kg		85	70 - 130	10	35	
Toluene	0.100	0.08681		mg/Kg		87	70 - 130	13	35	
Ethylbenzene	0.100	0.07907		mg/Kg		79	70 - 130	16	35	
m-Xylene & p-Xylene	0.200	0.1628		mg/Kg		81	70 - 130	16	35	
o-Xylene	0.100	0.08159		mg/Kg		82	70 - 130	16	35	

	LCSD	LCSD	
Surrogate	%Recovery	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									Prep	o Batch: 50148
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0996	0.08794		mg/Kg		88	70 - 130	
Toluene	<0.00200	U	0.0996	0.09399		mg/Kg		94	70 - 130	

Eurofins Midland

Prep Type: Total/NA

SDG: Eddy County, New Mexico

Job ID: 880-26646-1

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 50148

3

Client Sample ID: Matrix Spike

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 Matrix: Solid Analysis Batch: 50286	3-C MS										Client	Sample ID: Prep Ty Prep		tal/NA
	Sample	Sam	ple	Spike	MS	MS						%Rec		
Analyte	Result			Added	Resul		lifier	Unit		D	%Rec	Limits		
Ethylbenzene	<0.00200	U		0.0996	0.08527			mg/Kg			85	70 - 130		
m-Xylene & p-Xylene	< 0.00399			0.199	0.1768			mg/Kg			88	70 - 130		
p-Xylene	< 0.00200			0.0996	0.08796			mg/Kg			87	70 - 130		
	MS	мs												
Surrogate	ws %Recovery	Qual	lifier	Limits										
4-Bromofluorobenzene (Surr)	98	duu		70 - 130										
1,4-Difluorobenzene (Surr)	89			70 - 130										
Lab Sample ID: 880-26634-A-3									Clie	nt San	nle ID	: Matrix Sp	iko Dur	olicat
Matrix: Solid												Prep T		
Analysis Batch: 50286													Batch:	
Analysis Datch. 30200	Sample	Sam	nle	Spike	MSE	MSD	,					%Rec	Daten.	RP
Analyte	Result		•	Added		t Qua		Unit		D	%Rec	Limits	RPD	Lim
Benzene	<0.00200	U		0.0990	0.09928			mg/Kg			100	70 - 130	12	3
Foluene	< 0.00200			0.0990	0.03920			mg/Kg			108	70 - 130	13	3
Ethylbenzene	<0.00200			0.0990	0.1002			mg/Kg			100	70 - 130	16	3
					0.1002									
m-Xylene & p-Xylene	< 0.00399			0.198				mg/Kg			103	70 - 130	15	3
p-Xylene	<0.00200	U		0.0990	0.1004	•		mg/Kg			100	70 - 130	13	3
	MSD													
Surrogate	%Recovery	Qual	lifier	Limits										
4-Bromofluorobenzene (Surr)	93			70 - 130										
1,4-Difluorobenzene (Surr)	89			70 - 130										
lethod: 8015B NM - Diese	el Range O	rgan	ics (DR	O) (GC)										
_ab Sample ID: MB 880-50087	// 1-A									С	lient Sa	ample ID: N	lethod	Blan
Matrix: Solid												Prep T	ype: To	tal/N/
Analysis Batch: 50093												Prep	Batch:	5008
		MB	МВ											
Analyte	R	esult	Qualifier		RL	MDL	Unit		D	Pre	pared	Analyze	d	Dil Fa
Gasoline Range Organics GRO)-C6-C10		<50.0	U		50.0		mg/Kg			04/01/2	23 09:27	04/02/23 2	0:09	
Diesel Range Organics (Over		<50.0	U	ļ	50.0		mg/Kg			04/01/	23 09:27	04/02/23 2	0:09	
C10-C28)			-	·							,			
,		<50.0	U	:	50.0		mg/Kg			04/01/2	23 09:27	04/02/23 2	0:09	
Jii Range Organics (Over C28-C36)														
Jii Range Organics (Over C28-C36)		ΜВ	МВ											
Oll Range Organics (Over C28-C36) Surrogate	%Reco		MB Qualifier	Limits	5					Pre	pared	Analyze	ed	Dil Fa

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

o-Terphenyl

Analysis Batch: 50093							Prej	p Batch: 5008	87
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1067		mg/Kg		107	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	886.1		mg/Kg		89	70 - 130		
C10-C28)									

70 - 130

120

Eurofins Midland

Prep Type: Total/NA

04/01/23 09:27

04/02/23 20:09

Client Sample ID: Lab Control Sample

QC Sample Results

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

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

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

	1
Job ID: 880-26646-1 SDG: Eddy County, New Mexico	2
Olivert Demale ID. Lab Dentral Demale	3
Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 50087	4
The Daten. 00007	5
	6

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Solid	
Analysis Batch: 50093	

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

Lab Sample ID: LCSD 880-50087/3-A Matrix: Solid Analysis Batch: 50093				Clier	nt Sam	ple ID:		ol Sampl Type: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	894.3		mg/Kg		89	70 - 130	1	20
	`								

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

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

Matrix: Solid Analysis Batch: 50093										Type: To Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		

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

Lab Sample ID: 880-26660-A-61-C MSD
Matrix: Solid
Analysis Batch: 50093

Analysis Batch: 50093									Prep	Batch:	50087
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1107		mg/Kg		107	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	806.5		mg/Kg		81	70 _ 130	10	20
	MSD	MSD									

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

Page 88 of 190

Released to Imaging: 4/12/2024 10:36:53 AM

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												Client S	Sample ID		
Matrix: Solid													Pre	o Type: S	Soluble
Analysis Batch: 50200															
		MB	МВ												
Analyte			Qualifier		RL		MDL			D	Pi	repared	Anal		Dil Fac
Chloride	<	<5.00	U		5.00			mg/Kg	9				04/03/23	3 15:53	1
Lab Sample ID: LCS 880-50108/2-A										Clie	ent	Sample	BID: Lab (Control S	Sample
Matrix: Solid													Pre	o Type: S	Soluble
Analysis Batch: 50200															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride				250		249.0			mg/Kg		_	100	90 _ 110		
Lab Sample ID: LCSD 880-50108/3-	A								Cli	ient S	am	ple ID:	Lab Contr	ol Samp	le Dup
Matrix: Solid														o Type: S	
Analysis Batch: 50200															
				Spike		LCSD	LCSI	D					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		250.9			mg/Kg		_	100	90 - 110	1	20
Lab Sample ID: 880-26646-7 MS												Clier	t Sample	ID: H-7	(0-0.5')
Matrix: Solid													Pre	o Type: S	Soluble
Analysis Batch: 50200															
_	Sample	Samp	ole	Spike		MS	MS						%Rec		
Analyte	Result	Quali	ifier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride	45.8			252		301.3			mg/Kg		_	101	90 _ 110		
Lab Sample ID: 880-26646-7 MSD												Clier	t Sample	ID: H-7	(0-0.5')
Matrix: Solid														o Type: S	
Analysis Batch: 50200															
-	Sample	Sam	ole	Spike		MSD	MSD						%Rec		RPD
Analyte	Result	Quali	ifier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits	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

Page 90 of 190

12 13	
13	
13	5
	5

Prep Batch: 50148

GC VOA

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	Ргер Туре	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	Ргер Туре	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	

Eurofins Midland

QC Association Summary

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

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	Ргер Туре	Matrix	Method	Prep Batch
880-26646-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-26646-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50108

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

Eurofins Midland

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

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)

each Batch: 50108 (C	Continued)				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-26646-7 MSD	H-7 (0-0.5')	Soluble	Solid	DI Leach	
nalysis Batch: 50200	D				
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

Initial

Amount

4.99 g

5 mL

10.02 g

1 uL

4.97 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

50148

50286

50401

50181

50087

50093

50108

50200

Number

Dil

1

1

1

1

1

Factor

Run

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

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

Lab Sample ID: 880-26646-1 Matrix: Solid

Analyst

MNR

MNR

AJ

SM

A.I

SM

ĸs

SMC

Prepared

or Analyzed

04/03/23 09:46

04/04/23 17:21

04/05/23 11:31

04/03/23 11:24

04/01/23 09:27

04/03/23 02:27

04/03/23 06:35

04/03/23 16:34

5 9

Lab Sample ID: 880-26646-2 Matrix: Solid

Lab Sample ID: 880-26646-3

Lab Sample ID: 880-26646-4

Date Collected:	03/30/23 00:00
Date Received:	03/31/23 13:55

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Matrix: Solid

Lab

EET MID

Matrix: Solid

Released to Imaging: 4/12/2024 10:36:53 AM

Project/Site: Man State 002H (03.15.23)

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

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

Lab Sample ID: 880-26646-4 Matrix: Solid

Lab Sample ID: 880-26646-5

Lab Sample ID: 880-26646-6

Lab Sample ID: 880-26646-7

Matrix: Solid

Matrix: Solid

Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00

Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	50148	04/03/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50286	04/04/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50401	04/05/23 11:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50181	04/03/23 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50087	04/01/23 09:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50093	04/03/23 04:30	SM	EET MID

Eurofins Midland

Matrix: Solid

5

Lab Chronicle

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

Client Sample ID: H-7 (0-0.5') Date Collected: 03/30/23 00:00

Date Received:	03/31/23	13:55	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 03/30/23 00:00 Date Received: 03/31/23 13:55

Lab Sample ID:	880-26646-8
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Job ID: 880-26646-1

SDG: Eddy County, New Mexico Lab Sample ID: 880-26646-7

Matrix: Solid

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

Project/Site: Man State 002H (03.15.23) Laboratory: Eurofins Midland

Client: Carmona Resources

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

Authority Texas		rogram	Identification Number	Expiration Date
		ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, b	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for v
the agency does not of		Matrix	Analyta	
Analysis Method	fer certification. Prep Method	Matrix	Analyte	
8 ,		Matrix Solid	Analyte Total TPH	

Eurofins Midland

Released to Imaging: 4/12/2024 10:36:53 AM

Project/Site: Man State 002H (03.15.23)

Client: Carmona Resources

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

Method	Method Description	Protocol	Laborator
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

6-1 iico

Sample Summary

Client: Carmona Resources Project/Site: Man State 002H (03.15.23) Job ID: 880-26646-1 SDG: Eddy County, New Mexico

.ab Sample ID	Client Sample ID	Matrix	Collected	Received	
380-26646-1	H-1 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55	
80-26646-2	H-2 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55	
380-26646-3	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	
380-26646-5	H-5 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55	
380-26646-6	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	
80-26646-8	H-8 (0-0.5')	Solid	03/30/23 00:00	03/31/23 13:55	

Work Order No: A A C 1 A		Trownfields RC Institund			ADaPT	Preservative Codes	None NO DI Water H ₂ O		HCL HC HNO ₃ HN		NaHSO, NABIS		Zn Acetate+NaOH Zn	NaOH+Ascorbic Acid SAPC	Sample Comments		2							Chain of Custody				Date/Time
	Work	Program: UST/PST PRP	State of Project:	Reporting Level II	Deliverables. EDD	REQUEST																					الموالي محمد الموالي من الموالي م محمد الموالي الموالي من الموالي معالم الموالي الموالي من الموالي من الموالي معالم الموالي الموالي الموالي معالم محمد الموالي ال	Received by (Signature)
						ANALYSIS REQUEST																				Conner Moehring / Cmoehring@carmonaresources.com) /
	Carmona Resources				E					0'(9 30C	piro	942			×	×	×	×	×	×	×	×			ng@carn		M
	armona F				urces.co			((+ WBC		1208			108	HdT	×		××	××	××	× ×	× ×	X X			moehri		Date/Time
	0				onareso		Pres. Code		s	neter	mer	ed	<u> </u>		# of Cont	┝	-		-	-		+	+			atring / (m M
	Bill to (if different)	Company Name	88s.	City, State ZIP	Email mcarmona@carmonaresources.com	pc	Rush	72 Hrs		(es)No	ν		2	S L	er Grab/ Comp	. 0	σ	U	σ	0	υ	σ	9			Conner Moc		
	Bill to	Comp	Address.	City, S	ail mcan	Turn Around	5		Ň			1,)	1	Water	<u> </u>							_		_			
					E W	T	C Routine	Due Date		Wet Ice			ading	erature	Soll	×	×	×	×	×	×	×	*			o.seoruose		
					-	5 2023)		Aexico		Yes No		Correction Factor	Temperature Reading	Corrected Temperature	Time											na@carmonan		y (Signature)
	b	urces	Ste 500	701		Man State 002H (03 15 2023)	2010	Eddy County, New Mexico	MM / GPJ	Teme-Blank	s No	(T	KIA /		Date	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023	3/30/2023			ona / Mcarmo		Kelinquished by (Signature)
	Conner Moehring	Carmona Resources	310 W Wall St Ste 500	Midland, TX 79701	432-813-6823	Man Sta		Eddy (Yes No	Yes No		cation	0	(((.	()			Mike Carm		1999
	Project Manager Co	Company Name Ca	Address 31(City, State ZIP Mic	Phone 43	Project Name	Project Number	Project Location	Sampler's Name PO #	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals.	Sample Custody Seals	Total Containers	Sample Identification	H-1 (0-0.5'	H-2 (0-0 5')	H-3 (0-0 5')	H-4 (0-0.5')	H-5 (0-0.5	H-6 (0-0 5')	H-7 (0-0 5')	H-8 (0-0.5')			Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and		March

4/5/2023

Page 99 of 190

Job Number: 880-26646-1

List Source: Eurofins Midland

SDG Number: Eddy County, New Mexico

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 26646 List Number: 1

<6mm (1/4").

Creator: Rodriguez, Leticia

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



Environment Testing

Page 101 of 190

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

ANALYTICAL REPORT

JOB NUMBER

880-27268-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701







Eurofins Midland

Job Notes

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

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

Authorization

AMER

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

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Page 103 of 190

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	24
Certification Summary	28
Method Summary	29
Sample Summary	30
Chain of Custody	31
Receipt Checklists	33

Released to Imaging: 4/12/2024 10:36:53 AM

Definitions/Glossary

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

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

NC

ND

NEG

POS

PQL

PRES QC

RER

RL RPD

TEF

TEQ

TNTC

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	8
Glossary		Q
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	

Eurofins Midland

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

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-E MSD)

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

Project/Site: Man State 002H (03.15.2023)

Matrix: Solid

5

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

Lab Sample ID: 880-27268-1

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

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Client: Carmona Resources

Method: SW846 8021B - Volatile		Qualifier	RL	MDL	Unit	D	Bronarad	Analyzed	Dil Fac
Analyte Benzene	Result 0.00274	Quaimer	0.00199		mg/Kg		Prepared 04/18/23 10:30	Analyzed 04/18/23 22:33	1
Toluene	0.00274		0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Ethylbenzene	< 0.00199		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	
o-Xylene	<0.00398	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Xylenes, Total	< 0.00398		0.00398		mg/Kg		04/18/23 10:30	04/18/23 22:33	1
Surrogata	% Pasavary	Qualifier	Limits				Branarad	Analyzad	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 	quaimer	70 - 130				Prepared 04/18/23 10:30	Analyzed 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 Cal	sulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Quaimer	0.00398		mg/Kg		Fiepaleu	04/19/23 12:24	
Total BTEX	0.00517		0.00398		mg/Kg			04/19/23 12.24	I
Method: SW846 8015 NM - Diese				MDI	Unit		Bronorod	Analyzad	
	Result <49.9	Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/19/23 11:42	1
Method: SW846 8015B NM - Die									
Analyte		Qualifier	RL	MDL		<u>D</u>	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
Oll 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, Ior	n Chromatograp	hy - 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 Sam	ple ID: 880-2	7268-2
Date Collected: 04/13/23 00:00								Matri	x: Solid
Date Received: 04/18/23 10:20									
Method: SW846 8021B - Volatile		ounds (GC) Qualifier	ы	MDJ	Unit	~	Brongrad	Analyzed	
Analyte Benzene				WIDL	Unit	D	Prepared 04/18/23 10:30	Analyzed 04/18/23 22:54	Dil Fac
Toluene					mg/Kg				1
	< 0.00200		0.00200		mg/Kg mg/Kg		04/18/23 10:30	04/18/23 22:54	1
Ethylbenzene	< 0.00200		0.00200		mg/Kg		04/18/23 10:30	04/18/23 22:54	
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		04/18/23 10:30	04/18/23 22:54	1
o-Xylene	<0.00200		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)

Eurofins Midland

04/18/23 22:54

04/18/23 10:30

70 - 130

86

Project/Site: Man State 002H (03.15.2023)

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-27268-2

Client Sample ID: T-1 (1.5')

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Client: Carmona Resources

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 22:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/18/23 22:45	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	le						
Analyte		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')

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Lab Sample ID: 880-27268-3 Matrix: Solid

-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

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 - Dies	el Range Organ	ics (DRO) (C	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 - Die	sel Range Orga	nics (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
(010)-00-010									

Eurofins Midland

Released to Imaging: 4/12/2024 10:36:53 AM

C10-C28)

Client Sample Results

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

Client Sample ID: T-1 (2') Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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- <i>Terphenyl</i> Method: EPA 300.0 - Anions, Ion	97 Chromatograp	hy - Solubl	70 ₋ 130 e				04/18/23 13:47	04/18/23 23:06	1
	Chromatograp	hy - Solubl Qualifier		MDL	Unit	D	04/18/23 13:47 Prepared	04/18/23 23:06 Analyzed	1 Dil Fac
Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	Qualifier	e	MDL	Unit mg/Kg	<u>D</u>			1 Dil Fac 10
Method: EPA 300.0 - Anions, Ion	Chromatograp Result	Qualifier	e	MDL		<u>D</u>	Prepared	Analyzed	10
Method: EPA 300.0 - Anions, Ion Analyte Chloride	Chromatograp Result	Qualifier	e	MDL		<u>D</u>	Prepared	Analyzed 04/20/23 05:03 ple ID: 880-2	10

e organic oomp	ounus (00)	•						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
< 0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/18/23 23:35	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
112		70 - 130				04/18/23 10:30	04/18/23 23:35	1
87		70 - 130				04/18/23 10:30	04/18/23 23:35	1
	Result <0.00199	Result Qualifier <0.00199	<0.00199	Result Qualifier RL MDL <0.00199	Result Qualifier RL MDL Unit <0.00199	Result Qualifier RL MDL Unit D <0.00199	Result Qualifier RL MDL Unit D Prepared <0.00199	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00199

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 R	Range Organ	ics (DRO) (O	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	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/18/23 23:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/18/23 23:27	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		5.05		mg/Kg			04/20/23 05:17	1

Eurofins Midland

Matrix: Solid

5

Job ID: 880-27268-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-27268-3
Client Sample Results

5

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

Lab Sample ID: 880-27268-5

Client Sample ID: T-2 (0-1') Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Client: Carmona Resources

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 Fa
4-Bromofluorobenzene (Surr)			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 - T	otal BTEX Calo	culation							
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 - Diese	I Range Organ	ics (DRO) (O	SC)						
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 - Dies	sel Range Orga	nics (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
Oll 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	Chromatograp	ohy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21200		251		mg/Kg			04/20/23 05:22	50
lient Sample ID: T-2 (1.5')							Lab Sam	ple ID: 880-2	7268-6
ate Collected: 04/13/23 00:00								Matri	x: Solic
ate Received: 04/18/23 10:20									
Method: SW846 8021B - Volatile									
Analyte		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	
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 00:16	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/23 10:30	04/19/23 00:16	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/18/23 10:30	04/19/23 00:16	
			0.00000				04/40/00 40:00	04/40/00 00.40	

o-Xylene <0.00200 U 0.00200 04/18/23 10:30 04/19/23 00:16 mg/Kg 1 Xylenes, Total <0.00400 U 0.00400 04/18/23 10:30 04/19/23 00:16 mg/Kg 1 %Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 4-Bromofluorobenzene (Surr) 96 70 - 130 04/18/23 10:30 04/19/23 00:16 1 1,4-Difluorobenzene (Surr) 79 70 - 130 04/18/23 10:30 04/19/23 00:16 1

Eurofins Midland

ID: 880-27268-1

Matrix: Solid

Page 9 of 33

5

Client Sample Results

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

Client Sample ID: T-2 (1.5')

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Client: Carmona Resources

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/18/23 13:47	04/19/23 00:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	80		70 - 130				04/18/23 13:47	04/19/23 00:10	
o-Terphenyl	101		70 - 130				04/18/23 13:47	04/19/23 00:10	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	7730		49.8		mg/Kg			04/20/23 05:37	10

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 04/18/23 10:30 04/19/23 00:36 0.00201 mg/Kg 1 Toluene <0.00201 U 0.00201 04/18/23 10:30 04/19/23 00:36 mg/Kg 1 Ethylbenzene <0.00201 U 0.00201 04/18/23 10:30 04/19/23 00:36 mg/Kg 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 04/18/23 10:30 04/19/23 00:36 mg/Kg 1 Limits %Recovery Qualifier Prepared Dil Fac Surrogate Analyzed 70 - 130 04/18/23 10:30 04/19/23 00:36 4-Bromofluorobenzene (Surr) 88 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 Cal	culation							
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 - Dies	sel Range Organ	ics (DRO) (0	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 - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:31	1
C10-C28)									

Eurofins Midland

Lab Sample ID: 880-27268-6

Matrix: Solid

Matrix: Solid

Job ID: 880-27268-1

Matrix: Solid

5

SDG: Eddy County, New Mexico

Lab Sample ID: 880-27268-7

Client Sample Results

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

Client Sample ID: T-2 (2') Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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	Chromatograp	ohy - Solubl	9						
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 Sam	ple ID: 880-2	7268-8
							Lab Sam		7268-8 x: Solid
Date Collected: 04/13/23 00:00							Lab Sam		
Date Collected: 04/13/23 00:00	Organic Comp	ounds (GC)					Lab Sam		
- Client Sample ID: T-2 (3') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20 - Method: SW846 8021B - Volatile Analyte	•	ounds (GC) Qualifier	RL	MDL	Unit	D	Lab Sam		

1,4-Difluorobenzene (Surr)	92		70 - 130		04/18/23 10:30	04/19/23 00:57	1
4-Bromofluorobenzene (Surr)	103		70 - 130		04/18/23 10:30	04/19/23 00:57	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<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
m-Xylene & p-Xylene	<0.00403	U	0.00403	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
Toluene	<0.00202	U	0.00202	mg/Kg	04/18/23 10:30	04/19/23 00:57	1
Benzene	<0.00202	U	0.00202	mg/Kg	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 R	ange Organi	ics (DRO) (O	GC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	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	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/18/23 13:47	04/19/23 00:53	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
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 Sample ID: T-2 (4') Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/19/23 01:17	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/23 10:30	04/19/23 01:17	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/23 10:30	04/19/23 01:17	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				04/18/23 10:30	04/19/23 01:17	
1,4-Difluorobenzene (Surr)	95		70 - 130				04/18/23 10:30	04/19/23 01:17	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/19/23 12:24	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
							- ·	Analyzad	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	01110
Total TPH	<50.0	U	50.0	MDL	mg/Kg		Prepared	04/19/23 11:42	
Total TPH Method: SW846 8015B NM - Dies	<pre><50.0</pre>	U	50.0			D	Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<pre><50.0</pre>	U I <mark>nics (DRO)</mark> Qualifier			mg/Kg			04/19/23 11:42	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	U Inics (DRO) Qualifier U	50.0 (GC) RL		mg/Kg Unit		Prepared	04/19/23 11:42 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<pre><50.0 sel Range Orga Result <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	U nnics (DRO) Qualifier U U	(GC) (BC) <u>RL</u> 50.0		mg/Kg Unit mg/Kg		Prepared 04/18/23 13:47	04/19/23 11:42 Analyzed 04/19/23 01:14	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 sel Range Orga Result <50.0 <50.0	U nnics (DRO) Qualifier U U	50.0 (GC) RL 50.0 50.0		Unit mg/Kg mg/Kg		Prepared 04/18/23 13:47 04/18/23 13:47	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 sel Range Orga Result <50.0 <50.0 <50.0	U nnics (DRO) Qualifier U U U	(GC) RL 50.0 50.0 50.0		Unit mg/Kg mg/Kg		Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 %Recovery	U nnics (DRO) Qualifier U U U	50.0 (GC) RL 50.0 50.0 50.0 Limits		Unit mg/Kg mg/Kg		Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 Prepared	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Analyzed	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 %Recovery 75 94	U unics (DRO) Qualifier U U U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 50.0 50.0 50.0 70.130 70.130 70.130		Unit mg/Kg mg/Kg		Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 Prepared 04/18/23 13:47	O4/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14	Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 75 94 Chromatograp	U unics (DRO) Qualifier U U U Qualifier	50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 6 RL		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 Prepared 04/18/23 13:47	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Analyzed Analyzed	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 75 94 Chromatograp	U unics (DRO) Qualifier U U Qualifier Ohy - Solubl	(GC) RL 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130 e	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Analyzed 04/19/23 01:14 04/19/23 01:14	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 75 94 Chromatogragi Result	U unics (DRO) Qualifier U U Qualifier Ohy - Solubl	50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 6 RL	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 Prepared	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Analyzed Analyzed	Dil Fa Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 <50.0 %Recovery 75 94 Chromatogragi Result	U unics (DRO) Qualifier U U Qualifier Ohy - Solubl	50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 6 RL	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg Unit	<u>D</u>	Prepared 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 04/18/23 13:47 Prepared	04/19/23 11:42 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Analyzed 04/19/23 01:14 04/19/23 01:14 04/19/23 01:14 Itel ID: 880-27	Dil Fa Dil Fa

-				
Method: SW846 8021B	- Volatile C	Organic C	ompounds ((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

Eurofins Midland

Page 112 of 190

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

Lab Sample ID: 880-27268-9

Matrix: Solid

5

Released to Imaging: 4/12/2024 10:36:53 AM

Matrix: Solid

5

Client Sample Results

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

Lab Sample ID: 880-27268-10

Client Sample ID: T-2 (5') Date Collected: 04/13/23 00:00

Client: Carmona Resources

Date Received: 04/18/23 10:20

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 01:35	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte		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')

Date Collected: 04/13/23 00:00

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

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

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 - Dies	el Range Organ	ics (DRO) (O	SC)						
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 - Die	esel Range Orga	nics (DRO)	(GC)						
	Desuit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer							2
-	Result <49.8		49.8		mg/Kg		04/18/23 13:47	04/19/23 02:17	1
Gasoline Range Organics					mg/Kg		04/18/23 13:47	04/19/23 02:17	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U			mg/Kg		04/18/23 13:47 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)

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

Date Received: 04/18/23 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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	Chromatograp	hy - Solubl	9						
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 Samp	le ID: 880-27	268-12
ate Collected: 04/13/23 00:00									x: Solid

Date Received: 04/18/23 10:20

Method: SW846 8021B - Volati	• •					-	- ·		
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	I	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 R	ange Organi	ics (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	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 02:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/19/23 02:38	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.03		mg/Kg			04/20/23 06:05	1

Eurofins Midland

Matrix: Solid

Job ID: 880-27268-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-27268-11

5

Client: Carmona Resources

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

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-27268-1	T-1 (0-1')	97	82		
880-27268-1 MS	T-1 (0-1')	126	107		6
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		8
880-27268-5	T-2 (0-1')	84	90		
880-27268-6	T-2 (1.5')	96	79		0
880-27268-7	T-2 (2')	88	91		3
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 Lim
		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	
LOOD 000-01410/0-/1		85	115	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

Prep Type: Total/NA

QC Sample Results

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51361/	5-A									Client Sa	mple ID: Met	hod E	3lank
Matrix: Solid											· Prep Type		
Analysis Batch: 51348											Prep Bat		
	MB	МВ											
Analyte	Result	Qualifier	RL		MDL	Unit		D	Р	repared	Analyzed	ſ	Dil Fac
Benzene	<0.00200	U	0.00200			mg/Kg		_		8/23 08:38	04/18/23 11:30		1
Toluene	<0.00200	U	0.00200			mg/Kg			04/1	8/23 08:38	04/18/23 11:30)	1
Ethylbenzene	<0.00200	U	0.00200			mg/Kg			04/1	8/23 08:38	04/18/23 11:30)	1
m-Xylene & p-Xylene	<0.00400	U	0.00400			mg/Kg			04/1	8/23 08:38	04/18/23 11:30)	1
o-Xylene	<0.00200		0.00200			mg/Kg				8/23 08:38	04/18/23 11:30		1
Xylenes, Total	< 0.00400		0.00400			mg/Kg				8/23 08:38	04/18/23 11:30		1
						0 0							
	MB												
Surrogate	%Recovery		Limits							repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130							8/23 08:38	04/18/23 11:30		1
1,4-Difluorobenzene (Surr)	84		70 - 130						04/1	8/23 08:38	04/18/23 11:30)	1
 Lab Sample ID: MB 880-51388/	E D									Client Sc	mple ID: Meti	had E	lank
Matrix: Solid										Cheffit Sc	Prep Type		
Analysis Batch: 51348											Prep Bat		
Analysis Batch. 51546	MB	мв									Ртер Ба		1300
Analyte		Qualifier	RL		мы	Unit		D	Б	repared	Analyzed	r	Dil Fac
Benzene	<0.00200		0.00200			mg/Kg		_		8/23 10:30	04/18/23 22:11		1
Toluene	< 0.00200		0.00200			mg/Kg				8/23 10:30	04/18/23 22:11		1
Ethylbenzene	< 0.00200		0.00200			mg/Kg				8/23 10:30	04/18/23 22:11		1
m-Xylene & p-Xylene	<0.00200		0.00200			mg/Kg				8/23 10:30	04/18/23 22:11		····· ' 1
o-Xylene	<0.00400		0.00400			mg/Kg				8/23 10:30	04/18/23 22:11		1
Xylenes, Total	<0.00200		0.00200			mg/Kg				8/23 10:30	04/18/23 22:11		1
Aylenes, Iolai	<0.00400	U	0.00400			iliy/Ky			04/1	0/23 10.30	04/10/23 22.11		I
	MB	МВ											
Surrogate	%Recovery		Limits						P	repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130						04/1	8/23 10:30	04/18/23 22:11	1	1
1,4-Difluorobenzene (Surr)	79		70 - 130						04/1	8/23 10:30	04/18/23 22:11	1	1
 Lab Sample ID: LCS 880-51388/	(1 A							~	liont	Sample	ID: Lab Contr		mplo
Matrix: Solid									mern	Jampie	Prep Type		
Analysis Batch: 51348											Prep Bat		
Analysis Datch. 51540			Spike	LCS	LCS						%Rec		1300
Analyte			Added	Result			Unit		D	%Rec	Limits		
Benzene			0.100	0.09353	Qua		mg/Kg			94	70 - 130		
Toluene			0.100	0.09355			mg/Kg			94 88	70 - 130 70 - 130		
Ethylbenzene			0.100	0.09212			mg/Kg			92	70 - 130 70 - 130		
m-Xylene & p-Xylene			0.100	0.09212			mg/Kg			92 100	70 - 130 70 - 130		
o-Xylene			0.200	0.2000			mg/Kg			100	70 - 130 70 - 130		
О-Луюне			0.100	0.1112			mg/rtg				70 - 150		
	LCS LCS												
Surrogate	%Recovery Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	114		70 - 130										
1,4-Difluorobenzene (Surr)	109		70 - 130										
	9/2 A						0	lant	Sam		ah Control Sa	mala	Dur
Lab Sample ID: LCSD 880-5138	0/ 2- A							ent	San	ipie iD: L	ab Control Sa		
Matrix: Solid											Prep Type		
Analysis Batch: 51348			Calle	1 005	1.00						Prep Bat	.cn: 5	
Amelute			Spike	LCSD			11		~	0/ D	%Rec		RPD
Analyte			Added	Result	Qua	intier	Unit			%Rec	Limits R	RPD	Limit

Page 116 of 190

Eurofins Midland

5

Benzene

0.09875

mg/Kg

99

70 - 130

0.100

```
4/20/2023
```

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)

Matrix: Solid	1388/2-A					Clier	nt Sam	ple ID: I	Lab Contro		
										Type: To	
Analysis Batch: 51348										Batch:	
			Spike		LCSD		_	~ -	%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.09618		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.1002		mg/Kg		100	70 - 130	8	3
m-Xylene & p-Xylene			0.200	0.2195		mg/Kg		110	70 - 130	9	3
o-Xylene			0.100	0.1155		mg/Kg		115	70 - 130	4	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	121		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								
Lab Sample ID: 880-27268-1	MS							CI	ient Sampl		
Matrix: Solid										Type: To	
Analysis Batch: 51348	0	0	0							Batch:	51380
A web de		Sample	Spike		MS	11	_	0/ D	%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	0.00274		0.0998	0.08153		mg/Kg		79 74	70 - 130		
Toluene	0.00243		0.0998	0.07293		mg/Kg		71	70 - 130		
Ethylbenzene	< 0.00199		0.0998	0.07418		mg/Kg		74	70 - 130		
m-Xylene & p-Xylene	< 0.00398		0.200	0.1512		mg/Kg		76	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.07762		mg/Kg		78	70 - 130		
	MS	MS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	126	Qualifier	70 - 130								
4-Bromofluorobenzene (Surr)		Qualifier									
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	126 107	Qualifier	70 - 130					Cli	ient Sampl	e ID: T-1	(0-1'
Lab Sample ID: 880-27268-1	126 107	Qualifier	70 - 130					Cli	ient Sampl Prep 1		
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid	126 107	Qualifier	70 - 130					Cli	Prep 1	Гуре: То	tal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid	126 107 MSD		70 - 130 70 - 130	MSD	MSD			Cli	Prep 1 Prep		tal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348	126 107 MSD Sample	<i>Qualifier</i> Sample Qualifier	70 - 130		MSD Qualifier	Unit	D	Cli %Rec	Prep 1	Гуре: То	tal/NA 51388
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte	126 107 MSD Sample	Sample	70 - 130 70 - 130 Spike			- Unit mg/Kg	D		Prep 1 Prep %Rec	Type: To Batch:	tal/N/ 51388 RPI
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene	126 107 MSD Sample Result	Sample	70 - 130 70 - 130 Spike Added	Result			D	%Rec	Prep Prep %Rec Limits	Type: To Batch: 	tal/N/ 51388 RPI Limi 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene	126 107 MSD Sample Result 0.00274	Sample Qualifier	70 - 130 70 - 130 Spike Added 0.0990	Result 0.08750		mg/Kg mg/Kg	<u>D</u>	%Rec 86 73	Prep 7 Prep %Rec Limits 70 - 130	Type: Top Batch: RPD 7	tal/NA 51388 RPI Limi
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene	126 107 MSD Sample Result 0.00274 0.00243	Sample Qualifier U	70 - 130 70 - 130 Spike Added 0.0990 0.0990	Result 0.08750 0.07510		mg/Kg mg/Kg mg/Kg	D	%Rec 86	Prep 7 Prep %Rec Limits 70 - 130 70 - 130	Type: Top Batch: RPD 7 3	tal/N/ 51388 RPI Limi 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene	126 107 MSD Sample Result 0.00274 0.00243 <0.00199	Sample Qualifier U	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.0990	Result 0.08750 0.07510 0.07604		mg/Kg mg/Kg	D	%Rec 86 73 77	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130	RPD732	tal/N/ 51388 RPI Limi 38 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	126 107 MSD Sample Result 0.00274 0.00243 <0.00199 <0.00398 <0.00199	Sample Qualifier U U U	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.0990 0.198	Result 0.08750 0.07510 0.07604 0.1554		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 86 73 77 78	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 7 3 2 3	tal/N/ 51388 RPI Limi 38 38 38 38 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	126 107 MSD Sample Result 0.00274 0.00243 <0.00199 <0.00398 <0.00199 MSD	Sample Qualifier U U U U MSD	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.198 0.0990	Result 0.08750 0.07510 0.07604 0.1554		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 86 73 77 78	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 7 3 2 3	tal/N/ 51388 RPI Limi 38 38 38 38 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	126 107 MSD Sample Result 0.00274 0.00243 <0.00199 <0.00398 <0.00199	Sample Qualifier U U U	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.198 0.0990 Limits	Result 0.08750 0.07510 0.07604 0.1554		mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 86 73 77 78	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 7 3 2 3	tal/N/ 51388 RPI Limi 38 38 38 38 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	126 107 MSD Sample Result 0.00274 0.00243 <0.00199 <0.00398 <0.00199 MSD %Recovery	Sample Qualifier U U U U MSD	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.198 0.0990	Result 0.08750 0.07510 0.07604 0.1554		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 86 73 77 78	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 7 3 2 3	tal/N/ 51388 RPI Limi 38 38 38 38 38
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-27268-1 Matrix: Solid Analysis Batch: 51348 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	126 107 MSD Sample Result 0.00243 <0.00199 <0.00398 <0.00199 MSD %Recovery 123 111	Sample Qualifier U U U U MSD Qualifier	70 - 130 70 - 130 Spike Added 0.0990 0.0990 0.198 0.0990 0.198 0.0990 <u>Limits</u> 70 - 130 70 - 130	Result 0.08750 0.07510 0.07604 0.1554		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 86 73 77 78	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 7 3 2 3	tal/N/ 51388 RPI Limi 38 38 38 38 38

Analysis Batch: 51381								Prep Batch	n: 51415
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 20:36	1
(GRO)-C6-C10									

Eurofins Midland

Released to Imaging: 4/12/2024 10:36:53 AM

QC 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: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Lab Sample ID: MB 880-51415/1-A Matrix: Solid Analysis Batabi 51281

Analysis Batch: 51381								Prep Batch	n: 51415
	MB	MB							
Analyte	Result	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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/23 13:47	04/18/23 20:36	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/18/23 13:47	04/18/23 20:36	1
o-Terphenyl	115		70 - 130				04/18/23 13:47	04/18/23 20:36	1

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

Matrix: Solid Analysis Batch: 51381								Type: Tota Batch: 5	
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1002		mg/Kg		100	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	959.3		mg/Kg		96	70 - 130		
C10-C28)									

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-51415/3-A				Clier	nt Sam	n <mark>ple ID:</mark> I	Lab Contro	I Sampl	e Dup
Matrix: Solid							Prep 1	Type: To	tal/NA
Analysis Batch: 51381							Prep	Batch:	51415
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-27268-1 MS Matrix: Solid

Analysis Batch: 51381									Pre	p Batch:	51415
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	95		70 - 130

Eurofins Midland

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

Prep Type: Total/NA

Drev Detaby Ed.44E

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

Lab Sample ID: 880-27268-1	MSD							С	lient Samp		
Matrix: Solid									Prep	Type: To	tal/NA
Analysis Batch: 51381									Pre	Batch:	51415
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	997	1053		mg/Kg		106	70 - 130	2	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	997	1038		mg/Kg		101	70 - 130	2	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	83		70 - 130	-							
o-Terphenyl	94		70 - 130								
lethod: 300.0 - Anions, Ic Lab Sample ID: MB 880-51499		ography						Client	Sample ID:	Method	Blani
Matrix: Solid										Type: So	
Analysis Batch: 51636											
		MB MB									
Analyte	R	esult Qualifier		RL	MDL Unit		D	Prepared	Analy	zed	Dil Fac
Chloride	<	5.00 U		5.00	mg/k	g			04/20/23	03:40	
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 51636			Calles	1.00	1.00				% Doo		
			Spike		LCS	Unit	D	% Poc	%Rec		
Analyte			Added	Result	LCS Qualifier	Unit ma/Ka	<u>D</u>	%Rec	Limits		
Analyte						Unit mg/Kg	D	%Rec 96			
Analyte Chloride	499/3-A		Added	Result		mg/Kg		96	Limits	ol Sample	e Dup
Analyte Chloride Lab Sample ID: LCSD 880-514	499/3-A		Added	Result		mg/Kg		96	Limits 90 - 110		
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid	499/3-A		Added	Result		mg/Kg		96	Limits 90 - 110	ol Sample Type: Se	
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid	499/3-A		Added	Result 241.0		mg/Kg		96	Limits 90 - 110		oluble
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636	499/3-A		Added 250	Result 241.0 LCSD	Qualifier	mg/Kg		96	Limits 90 - 110 Lab Contro Prep		oluble RPE
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte	499/3-A		Added 250 Spike	Result 241.0 LCSD	Qualifier	mg/Kg	ient Sa	96 mple ID:	Limits 90 - 110 Lab Contro Prep %Rec	Type: So	oluble RPI
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride			Added 250 Spike Added	Result 241.0 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	96 mple ID: %Rec	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: So	oluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 I			Added 250 Spike Added	Result 241.0 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	96 mple ID: %Rec	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam	RPD 0 0	Coluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid			Added 250 Spike Added	Result 241.0 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	96 mple ID: %Rec	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam	Type: So	Coluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid	 MS		Added 250 Spike Added 250	Result 241.0 LCSD Result 241.8	Qualifier LCSD Qualifier	mg/Kg Cl	ient Sa	96 mple ID: %Rec	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep	RPD 0 0	oluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid Analysis Batch: 51636	MS Sample	-	Added 250 Spike Added 250 Spike	Result 241.0 LCSD Result 241.8	Qualifier LCSD Qualifier MS	Unit mg/Kg	ient Sai	96 mple ID: <u>%Rec</u> 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep %Rec	RPD 0 0	oluble RPE Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 I Matrix: Solid Analysis Batch: 51636 Analyte	MS Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 241.0 LCSD Result 241.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sa	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep %Rec Limits	RPD 0 0	oluble RPI Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid Analysis Batch: 51636 Analyte	MS Sample	Qualifier	Added 250 Spike Added 250 Spike	Result 241.0 LCSD Result 241.8	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	ient Sai	96 mple ID: <u>%Rec</u> 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep %Rec	RPD 0 0	oluble RPI Limi 20
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid Analysis Batch: 51636 Analyte Chloride	MS Sample Result 7920	Qualifier	Added 250 Spike Added 250 Spike Added	Result 241.0 LCSD Result 241.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sai	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep %Rec Limits 90 - 110	PType: So RPD 0 nple ID: T Type: So	C-1 (2'
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 I Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 I	MS Sample Result 7920	Qualifier	Added 250 Spike Added 250 Spike Added	Result 241.0 LCSD Result 241.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sai	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam 90 - 110 Client Sam	PType: So RPD 0 nple ID: T Type: So nple ID: T	olubic RPI Limi 20 -1 (2' olubic
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid Analyte Chloride Lab Sample ID: 880-27268-3 M	MS Sample Result 7920	Qualifier	Added 250 Spike Added 250 Spike Added	Result 241.0 LCSD Result 241.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sai	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam 90 - 110 Client Sam	PType: So RPD 0 nple ID: T Type: So	C-1 (2")
Analyte Chloride Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M Matrix: Solid Analyte Chloride Lab Sample ID: 880-27268-3 M	MS Sample Result 7920	Qualifier	Added 250 Spike Added 250 Spike Added	Result 241.0 LCSD Result 241.8 MS Result 10790	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sai	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam 90 - 110 Client Sam	PType: So RPD 0 nple ID: T Type: So nple ID: T	C-1 (2")
Lab Sample ID: LCSD 880-514 Matrix: Solid Analysis Batch: 51636 Analyte Chloride Lab Sample ID: 880-27268-3 M	MS Sample Result 7920 MSD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 2520	Result 241.0 LCSD Result 241.8 MS Result 10790	Qualifier LCSD Qualifier MS Qualifier F1	Unit Unit Unit	ient Sai	96 mple ID: %Rec 97	Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sam Prep %Rec Limits 90 - 110 Client Sam Prep	PType: So RPD 0 nple ID: T Type: So nple ID: T	oluble RPD Limit 20 -1 (2') oluble

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	Ргер Туре	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	Ргер Туре	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	

Eurofins Midland

5

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

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	Ргер Туре	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	

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	
380-27268-2	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	
380-27268-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-27268-7	T-2 (2')	Total/NA	Solid	8015 NM	
380-27268-8	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

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

Analysis Batch: 51636

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

Eurofins Midland

5

8

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

Eurofins Midland

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Client: Carmona Resources

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

Date Collected: 04/13/23 00:00

Date Received: 04/18/23 10:20

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

5.03 g

5 mL

10.02 g

1 uL

4.99 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

51388

51348

51502

51490

51415

51381

51499

51636

Number

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

Lab Sample ID: 880-27268-1 Matrix: Solid

Analyst

MNR

MNR

SM

SM

A.I

SM

ĸs

SMC

Lab

EET MID

Matrix: Solid

Prepared

or Analyzed

04/18/23 10:30

04/18/23 22:33

04/19/23 12:24

04/19/23 11:42

04/18/23 13:47

04/18/23 21:40

04/19/23 12:23

04/20/23 04:53

Factor

Run

Dil

1

1

1

1

50

9 10 11

Lab Sample ID: 880-27268-2 Matrix: Solid

Lab Sample ID: 880-27268-3

Lab Sample ID: 880-27268-4

Client Sample ID: T-1 (1.5') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 04/13/23 00:00

Date	Received:	04/18/23 10:20	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	51388	04/18/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51348	04/18/23 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51502	04/19/23 12:24	SM	EET MID

Eurofins Midland

Matrix: Solid

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

Lab Sample ID: 880-27268-4 Matrix: Solid

Lab Sample ID: 880-27268-5

Lab Sample ID: 880-27268-6

Lab Sample ID: 880-27268-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Client Sample ID: T-1 (3')

Client: Carmona Resources

Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

5

9

Lab Chronicle

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

Client Sample ID: T-2 (2') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Receiv**

Prep Type Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Soluble

Soluble

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

50 mL

1

50 mL

51636

04/20/23 05:46

Client Sample ID: T-2 (4') Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Analysis

300.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

Eurofins Midland

Matrix: Solid

Matrix: Solid

EET MID

Matrix: Solid

9

Job ID: 880-27268-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-27268-7

Lab Sample ID: 880-27268-8

SMC

Lab Sample ID: 880-27268-9

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

Lab Sample ID: 880-27268-11

Lab Sample ID: 880-27268-12

Matrix: Solid

Matrix: Solid

5 6

9

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

Date Collected: 04/13/23 00:00 Date Received: 04/18/23 10:20

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

10

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.

thority	Pi	ogram	Identification Number	Expiration Date
as	N	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report by	ut the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for
the agency does not of	fer certification.	-		,
• ,		Matrix	Analyte	
the agency does not of	fer certification.	-		

Client: Carmona Resources

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 Refe	rences:		
ASTM = A	STM International		

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

	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

	Well.			 Comments Email t		T-2 (4')	T-2 (3')	T-2 (2')	T-2 (1 5')	T-2 (0-1')	T-1 (3')	T-1 (2')	T-1 (1 5')	T-1 (0-1')	Sample Identification	I otal Containers	Sample Custody Seals.	Cooler Custody Seals.	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name	Project Location	Project Number	Project Name.	Phone.	City, State ZIP		Company Name.	Project Manager (
	I M	R		o Mike Carmo)				<u>,</u>	-))	5')	5	fication		Yes	Yes	(Ves				Eddy (Man Sta	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
	1000	Relinquished by (Signature)		na / Mcarmor	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	Date		No MA			Temp Blank.		GPJ	Eddy County, New Mexico	2010	Man State 002H (03 15 2023)		701	Ste 500	urces	D
	$\left \right\rangle$	(Signature)		1a@carmonar											Time	Corrected Temperature	Temperature Reading	Correction Factor	Thermometer ID	Yes No			lexico		5 2023)					
				esources com	×	×	×	×	×	×	×	×	×	×	Soil	erature	ading			Wet Ice			Dile Date	Routine	Turn	Email	-			
				Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com	G	G	G	G	G	G	G	G	G	G	Water Comp	5 -0	0	5:00	M	(ମୃତ୍ତ No		611.04	48 Hre	マ Rush	Turn Around	Email: mcarmona@carmonaresources com	City, State ZIP	Address:	Company Name	Bill to (if different)
	7			Noehring /	1		-1	1					_		p v Cont		<u> </u>	Pa	iram	leter	S		Code	Pres.		carmonares			æ	~
	10-23	Date/Time		Cmoehri	X X	×	×	×	××	××	××	×	×	××	ТРІ	4 801	·	TEX		B	+ MI	20)	_	_		sources co				Carmona
	đ			ng@carm	×	×	×	×	×	×	×	×	×	×			Ch	lorid	e 30	0 0						m				Carmona Resources
				onaresource																					AN					
	K	5	Ρ	es com			Chain of Custody																		ANALYSIS REQUEST					
		cei/ed by				 	Custody					+													EQUEST	Delivera	Reportin	State of	Program	
		y, (Sonature)				_ _	101 101 101																_			Deliverables EDD	Reporting Level II Level III ST/UST	State of Project:	Program: UST/PST PRP	
)				- -					-																Level III	(; r	- dad	Work O
																NaOł	Zn Ac	Na ₂ S	NaHo NaHo			Cool	None NO			ADaPT	□st/ust	<u>,</u>	Crownfielde	Page
-		 												54	Sample Comments	1+Ascorbic	Zn Acetate+NaOH Zn	Na ₂ S ₂ O ₃ NaSO ₃	NaHSO NABIS			Cool Cool	NO	I LESELVAL	Droconist	Other:				Page 1
	0	Date/Time											C		omments	NaOH+Ascorbic Acid SAPC	ΗZn			NaOH Na	HNO3 HN	MeOH Me	DI Water ⁻ H ₂ O	Sanon akina racia	ive Codes					of _2
L													Ļ	ľ									õ							

Received by OCD: 4/11/2024 8:43:23 AM

Page 131 of 190

Chain of Custody

13

Work Order No: 27208

4/20/2023



5 6

Work Order No:

4/20/2023

UV D W	<i>M</i> .	Comments Email						T-3 (1')	T-3 (0-0 5')	Sample Identification	I otal Containers.	Sample Custody Seals	CODIEL CUSIDUY SEAIS	Cooler Custed: Coole	SAMPLE RECEIPT	PO#	Sampler's Name.	Project Location	Project Number	Project Name	Phone.	City, State ZIP	Address	Company Name	Project Manager
MM	2	to Mike Carm) 5')	lification		s. Yes	+					Eddy		Man S	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
11110	Relinquished	10na / Mcarm						 4/13/2023	4/13/2023	Date		NO NIA	No	8	100		GPJ	Eddy County, New Mexico	2010	Man State 002H (03 15 2023)		9701	t Ste 500	ources	ring
Å	Relinquished by (Signature)	ona@carmon								Time	Corrected Temperature	Temperature Reading	Correction Factor	I hermometer ID	Yes No			Mexico		15 2023)					
		aresources co						×	×	Soil	perature	Reading	tor		Wet Ice		L	Due Date	Routine	Tu	Em				
		Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com								Water Co			-0,	ann -	fresh No			48 Hrs	√ Rush	Turn Around	Email mcarmona@carmonaresources com	City, State ZIP	Address.	Company Name	Bill to (if different)
		r Moehrin					_	G 1	G 1	Comp Cont	_	1	F	'ara	mete	ers		İ	Pres. Code		Dcarmona	סין		me	ent)
10	Date/Time	ig / Cmc					+	×	×		1	B	TE)	(80:	21B				@ ?"		resource				Cam
al	Time	behring						×	×	TF	PH 80 ⁻	15M	(GI	RO +	DRO) + M	IRO)			es com				Carmona Resources
+		@carm						×	×			Cł	lori	de 3	00 0										ources
	+	onaresc		-																					
	A	ources c																		ANAL					
k		;om				_		_												ISIS RE					
	toeived		-		_		+	+												ANALYSIS REQUEST	Deli	Repo	Stat	Pro	
1	db / sig																				Deliverables EDD	Reporting Level II Level III ST/UST	State of Project:	Program: UST/PST PRP Frownfields	
	(Signature)				 _				-									_			EDD	Б Ш	ect:	T/PST	
			$\left - \right $			+		+							,							.evel III	Ĺ		Work C
											1 -	N									ADaPT	Dst/U	L	Frownf)rder Co
									2	Sar	laOH+A:	Zn Acetate+NaOH Zn	Na ₂ S ₂ O ₃ NaSO ₃	NaHSO4 NABIS	H₃PO₄ HP	H ₂ SO ₄ H ₂	HCL HC	Cool Cool	None NO	Pre			ſ	elds	Work Order Comments
4								k	3	nple Co	scorbic A	e+NaOH	NaSO ₃	NABIS	σ					servativ	Other [.]	RRP		RRC	ts ^
10 c	Date/Time									Sample Comments	NaOH+Ascorbic Acid SAPC	l Zn				NaOH Na	HNO, HN	MeOH Me	DI Water: H ₂ O	Preservative Codes			Chourand	Derfund	

14

Job Number: 880-27268-1

List Source: Eurofins Midland

SDG Number: Eddy County, New Mexico

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 27268 List Number: 1 Cre

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

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



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. Keine

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	48.0	16.0	03/19/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother bits ubsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother bits ubsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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	Analyze	d 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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

T T			-				1		1	01	5	2	5	S	1																
1,1,245					comments: Email t	CS-10 (1.	CS-9 (1.	CS-8 (1.	CS-7 (1.	CS-6 (1.	CS-5 (1.	CS-4 (1.	CS-3 (1.	CS-2 (1.	CS-1 (1.	Sample Ident	Total Containers;	Sample Custody Seals	Cooler Custody Seals	Received Intact:	SAMPLE RECEIF	PO #	Sampler's Name:	Project Location	Project Number:	Project Name:		ate ZIP:			rioject Manager:
					o Mike Carr	5.)	5')	5')	5')	5')	5')	5')	5')	5')	5')	ification			Y	0				Ed		Man	432-813-68	Midland, IX	310 W Wall	Carmona R	Conner Moenring
and a	Relinquished				nona / Mcarm	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	Date		No	No	Yes No	Femp Blank:		CRM	dy County, Nev	2010	State 002H (0:	23	79701	St Ste 500	esources	enring
	by: (Signature)				ona@carmona								-	-	-	Time	Corrected Ter	Temperature	Correction Fa	Thermometer	Yes No			v Mexico		3.15.2023)					1
					iresources.cor	×	×	×	×	×	×	×	×	×	×	Soil	nperature:	Reading:	ctor.		Wet Ice:			Due Date:		Tu	Ema				
					n and Conner				-	-	-					Water Gr		4.5						24 Hrs	🖾 Rush	rn Around	ail: mcarmona(City, State ZI	Address:	Company Na	Bill to: (if different)
3-18	5				Moehring	1	1	1	1	-	-1	-	+	-	C -		Ľ	00	Pa	1		5			Pres		@carmona	IP:		ame:	rent)
24	Date				J / Cm	×	×	×	×	×	×	×	×	×	×			вт	EX 8	3021	в			0	-		resou				Ca
14	Time				oehrii	×	×	×	×	×	+	+	+	+	+	трн	801					+ MF	20)	+	\neg		rces.c				rmona
15	Y				ng@cai	×	×	×	×	×	×	×	×	×	×			Chl	orid	e 45	00			+	-		om				Carmona Resources
					monar																										es
	-				esourc			_	_	_	_	_	_													A					
- MA					es.co	\vdash	+	+	+	+	+	+	+	+	+									+	_	NALYS					
1 M	Rec				э	Н	+	+	+	+	+	+	+	+	+					,		X	-	+	_	SIS RE					
	eived t					H	+	+	+	+	+	+	+	+	+			-						+	-	QUES	Del	Rep	Sta	Pro	
	y: (Sig									1		1	+	+	+							-		+	-	-	verable	orting:	te of Pi	gram:	
ð	nature																										S: EDE	evel II	oject:	UST/PS	
X							_	_	_	_		_	\downarrow															Leve			Wo
							+	+	+	-	+	+	+	-	+					6	_	1		-			A			₹P □	ork Ore
						\vdash	+	-	+	+	+	+	+	+			N I	Zn			112	L I	0		:		DaPT [₿ST/U		rownfi	der Co
																Sam	OH+As	Anotate	C D .		004. 112	CL: HC	ool: Coo	one: NC	- 10	Pres				sple	Work Order Comments
	D															ple Co	corbic /	INADO3	NACO		,		-		ocivat	orvati	Other:	RRP		RRC	ts
	Date/Time															omme	Acid: S	1.75			NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	ING CC	Vo Co				uperfund	
	3															-	b						and the second second	LU I				<		0	States
	Manut Waller 2. 2.8. 4. 2.8. 6	DateTime Received by: (Signature) 3-18-24 14/15 DUUDED (UNDED)	Date/Time Received by: (Signature)	Date/Time Received by: (Signature) 3-18-24 14/15 DUULDED UURDED	Date/Time Received by; (Signature)	urces.com Received by: (Signature) UUUUVUUUUUUUUUUUU	CS-10 (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) Cate/Time Received by: (Signature) Relinquished by: (Signature) Cate/Time Received by: (Signature)	CS-9 (1.5) 3/12/2024 X C 1 X X I I I I I I I I X I	CS-8 (1.5) 3/12/2024 X C 1 X X X I I I I I I I I I I I I I I X X I I I X X I I I X I I I X I I I X I I I X I I I X I I I X I I I I X I	CS-7 (1.5) 3/12/2024 X C 1 X X X I I I I I I I I X X I I I I I I X X I I I X X I I I X X I I I X X I I I I X X I I I I X X I I I I X X I I I I X X I I I I X X I I I I X X I	CS-6 (1.5) 3/12/2024 X C 1 X X X I I I I I I I X X X I I I I I X X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I I X X I I I I X X I	CS-5 (1.5) 3/12/2024 X C 1 X X X I I I I I I I I I I I I I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I I X X I I I I X X I	CS4 (1.5) 3/12/2024 ×	CS-3 (1.5) 3/12/2024 X C 1 X X X I I I X X I I I X X I I I X X I I X X I I X X I I I X X I I I X X I I I X X I I I X X I I I X X I I I I X X I I I I X X I I I I X X I	GS-2 (1.5) 31/12/2024 X C 1 X X I	CS-1 (1.5) 31/22024 ×	Sample identification Date Time Soil Water Graph Comp Term form Term Comp Ter	Total Containers: Corrected Temperature: Corrected Temperature: Number of the state Time South Water Grad Cont South Water Concerns of the state PH Here South Concerns of the state PH Here South Water South Water Concerns of the state PH Here South Water Concerns of the state PH Here South PH Here South South Water Concerns of the state PH Here South South Water Concerns of the state South Water Concerns of the state South South Water Concerns of the state South Water Concerns of the state South PH Here South PH Here South PH Here South Southere S	Stample Classify Seale: Yes No. Yuk) Temperature Reading: 41,5 2 Bate Temperature Reading: Temperature Reading:	Condex Casaby Seals: Yei: No. (M) Connection Factor: 4.5 Sample Casaby Seals: Yei: No. (M) Connecting Factor: 4.5 Sample Casaby Seals: Yei: No. (M) Connecting Factor: 4.5 Sample Casaby Seals: Yei: Connecting Factor: 4.5 4.5 Sample Casaby Seals: Yei: Connecting Factor: 4.5 4.5 Control Casabines: Soil Water Gradi #of CS-1 (1.5) 31/12/2024 X C 1 X X C CS-4 (1.5) 31/12/2024 X C 1 X X X I	Rescrived instact (Yes No Thermoniter ID ///// ///// Parametric Sample Cualogy Seals Yes No Temperature Reading:	SAMPLE RECEIPT Temp Blank Ves (6) Wetter Vis (6) Wetter Vis (6) Thermoniter (1) Code Clasby Seal Vis (6) Temperature Realing: 140 Parameter Sample Clasby Seal Vis (6) Temperature Realing: 44.5.2 Parameter Sample Clasby Seal Vis (6) Temperature Realing: 44.5.2 Parameter CS-1 (1.5) 31/2/2024 X C 1 X X C 1 X X C 1 X X C 1 X X X C 1 X	Boyer Image: Call of the state Temp Blank: Yes, (b) Yes, (b) Parameters Second Inset: Vis No. Temporator ID. Vis No. Parameters Parameters Second Cataloy Set: Vis No. Temporator ID. Vis No. Parameters Parameters Second Cataloy Set: Vis No. Temporator ID. Vis No. Parameters Parameters Second Cataloy Set: Vis No. Temporator ID. Vis No. Parameters Parameters Second Cataloy Set: Vis No. Temporator	Samder Nume CRM Visit (k) Visit (k) Wet (k) Visit (k) Machine (k)<	Implet Loadion Eddy County, New Moxico Due Date 24 HS Amount Common County County	Prijed Almenic Colv County, Nu Monico Daucine Banje Frage Convertion Daucine Daucine Sample Convertion Daucine Daucine <thd< td=""><td>Projenski Muniser Man State (002H (03:15:2023) Turn Anual Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY</td><td>Instant Instant <t< td=""><td>Bindser Mindland, 17,1707 East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Minute) Mi</td><td>Conserve Other Wild SS Site S00 Ease Main State State of Page: State of Page:</td><td>Conserve Name: Control Network Conserve Name: Conser</td></t<></td></thd<>	Projenski Muniser Man State (002H (03:15:2023) Turn Anual Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Projenski Muniser Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY Man YSIS PEQUESY	Instant Instant <t< td=""><td>Bindser Mindland, 17,1707 East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Minute) Mi</td><td>Conserve Other Wild SS Site S00 Ease Main State State of Page: State of Page:</td><td>Conserve Name: Control Network Conserve Name: Conser</td></t<>	Bindser Mindland, 17,1707 East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Time Available (minute) East (minute) East (minute) Minute) Mi	Conserve Other Wild SS Site S00 Ease Main State State of Page: State of Page:	Conserve Name: Control Network Conserve Name: Conser

Chain of Custody

Page 34 of 37

Work Order No: 424/378

Received by OCD: 4/11/2024 8:43:23 AM

ived	by OCI	0:4/		2024	0:43		6	8	17	16	3	14	G	12	1																
(A)					Comments: Email to Mike Carmona /	SW-1 (1.5)				CS-16 (2.5')		CS-14 (4.5')			2	San		Total Containers:	Sample Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 4	ate ZIP:		Company Name: 0	Project Manager:
					Mike Carmo		5	0)	5')	5")	5')	5")	5)	5')	5')	ication		Sal	. Yes	R				Eddy		Man S	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
		Relinquished by: (Signature)			ona / Mcarmo	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	Date		NO NIA	No	S	Temp Blank:		CRM	Eddy County, New Mexico	2010	Man State 002H (03.15.2023)		9701	t Ste 500	ources	ring
	P	y: (Signature)			na@carmona											Time		Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No			Mexico		.15.2023)					
					Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmon	×	×	Х	X	×	×	×	×	×	×	Soil	iperature;	Reading:	stor:	ID:	Wet Ice:			Due Date:	Routine	Tu	Email:				
8					n and Conne											Water C		4,50		140	Yes No			24 Hrs	2 Rush	Turn Around	ail: mcarmona@carmonaresources.com	City, State ZIP	Address:	Company Name	Bill to: (if different)
$\left \right $	8				r Moehri	C 1	C 1	C 1	C 1	C 1	C 1	-	C	C	С	Comp Co	+		1						ס ר		@carmo	(IP:		ame:	arent)
	42.8				ng / Cm	×	×	×	-	+	-	1 ×	1 ×	1 ×	1 X	# of Cont		E		802 ⁴	IB	S		oue	Pres.		naresou				Ca
	141	Date/Time			oehring	×	×	×	-	+	+	+	×	×	×	TF	PH 80	-	к.		_	+ MF	RO)		-		rces.co				armona F
	C,)@carn	×	×	×	×	×	×	×	×	×	×			С	hlori	de 45	00						3				Carmona Resources
					ionares		_	_	_	+	_	_	_	_	_					-				_							<i>"</i>
					aresources.com	\vdash	+	+	+	+	+	+	+	+	+									+	-	ANA					
	114	R			.com												14									ANALYSIS REQUEST					
		eceived					+	-	+	-	+	+	+	_	-									+	_	REQUE		R	ŝ	2	
		Received by: (Signature)						+	+	+	+	+	+	+	+									+	-	TS	Deliverables: EDD	Reporting:Level II 🗌 Level III	State of Project:	rogram:	
	1 Contraction	inature)																									S: EDD	_evel II	oject:	UST/PS	
		\$					+	+	-	+	+	+	+	+	+					_				+	_			Level I	C	r PRP	Work
																									-		ADaPT	II PST/UST	Ç	Brow	Order
												T				Sa	NaOH+,	Zn Acet	Na2S20	NaHSOA: N		HCL: HC	Cool: Cool	None: NO		P				Program: UST/PST PRP Brownfields PRC	Work Order Comments
		D														mple C	Ascorbic	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSOA: NABIS		- 0	00	0	VOLIVA	Peprvat	Other:	RRP		RRC	ents
		Date/Time	4													Sample Comments	NaOH+Ascorbic Acid: SAPC	H: Zn			NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	I LOCITATIVE COURS	ive Con		Level IV	Cube	Inorfund	
																ts	PC				Na	LN N	Me	er: H ₂ O	CO	Do					ľ

Chain of Custody

1378

Work Order No: _

	000				024	Comments: Email		SW-10 (1.5')	SW-9 (1.5')	SW-8 (1.5')	SW-7 (4.5')	SW-6 (2.5')	SW-5 (2.5')		SW-3 (4.5')			Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:
			R			il to Mike Carmona	1 (3')	(1.5')	(1.5')	(1.5')	(4.5')	(2.5')	(2.5')	(2.5')	(4.5')	(1.5')	Sample Identification			Ye	- 6				Eddy	*	Man S	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
		2	Relinquished by: (Signature)			-	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	3/12/2024	Date	- (NO NA	NO NIA	Yes No	Temp Blank:		CRM	Eddy County, New Mexico	2010	Man State 002H (03.15.2023)		9701	t Ste 500	ources	ring
			r: (Signature)	×		na@carmonar	×			~							Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	31	Yes No			Mexico		15.2023)					
						esources.com	×	Х	X	Х	×	Х	×	×	×	×	Soil	perature:	eading:	ог.		Wet Ice:			Due Date:	Routine	Tur	Email:				
						Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	С	С	С	С	С	0	0	0	0	0	Water Comp	(4.50		140	Yes No			24 Hrs	2 Rush	Turn Around		City, State ZIP:	Address:	Company Name	Bill to: (if different)
	010.01	2/2				loehring	_	_	-	-	1	1	_	_	_	_	/ #of Cont			Pa	ram	eters	5			Pres. Code		carmonal			e:	0
	40	1	Date/Time			/ Cmo	×	×	×	×	×	×	×	×	×	×			вт	EX 8	3021	в						resourc				Сап
	TH	1111	ime			ehring(×	×	×	×	×	×	×	×	×	×	трн	801	5M (GRO) + D	RO 1	MF	RO)				es.com				nona Re
-		1				@carm	×	×	×	×	×	×	×	×	×	×			Chl	orid	e 45	00										Carmona Resources
£.						onares	$\left \right $	+	+	+	+	+	+	-	+										_	_						
	1000	AV a	~			ources.		+	+	+	+	+	+	+	+	+									-	-	ANA					
	1000	101	R			com	\square																				ANALYSIS REQUEST			,		
		0	Received by:				$\left \right $	+	+	+	+	_	+	+	+	+					-				_	_	REQUE		70	s	7	
							\vdash	+	+	+	+	+	+	+	+	+			,						+	-	ST	Deliverables: EDD	Reporting:Level II Level III PST/UST	State of Project:	rogram	
	t all		(Signature)								1																	es: EDE	Level II	roject:	UST/PS	
	A						\vdash	_	+	+	+	+	+	+	+	_													Level	Ę	TPR	Wo
							\vdash	+	+	+	+	+	+	+	+	+									+	_		ADa	≡	Ę	Bro	k Orde
								+	+	+	+	+	+				18	NaOH		Nac	H3PO4: HP	H ₂ SO ₄ : H ₂	HCL: HC	Cool: Cool	NOTE NO	Nono		ADaPT	ST/UST		wnfields	Work Order Comments
						2											Sample Comments	NaOH+Ascorbic Acid: SAPC	The Aretate March	Na S.O.: NASO	4: HP	Η ₂	HC	Cool	NO		Preservative Codes	Other	RRP		Program: UST/PST PRP Brownfields PRC	nments
		Date: 11116	Date						0								Con	ic Aci	P S	ว ซี	5	NaOH: Na	HNO3: HN	MeOH: Me			ative		Level IV			

Chain of Custody

Work Order No: _

1378

Page 36 of 37

Page 169 of 190

Released to Imaging: 4/12/2024 10:36:53 AM

4	fur			Commented Enhant to mixe Carinional (incarmonal@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresourc	omments: Email fo								SW-12 (2')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phorie:	ate ZIP:		/ Name:		
	4	Relin			Mike Carmona									fication		Yes No	Yes	Xes	T Temp Blank:			Eddy Col		Man State	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring	>
	and I	Relinquished by: (Signature)		Wicarmon	Maamaa								3/12/2024	Date		NIA	NIA		lank:		CRM	Eddy County. New Mexico	2010	Man State 002H (03.15.2023)			\$ 500	Sex.		
		(Signature)		a@carmonare										Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No			lexico		5.2023)						
				sources.com									Х	Soil	erature:	ading:	ī		Wet Ice:			Dile Date:	Routine	Turi	Email:					
				and Conner										Water Co		4.5	1	45	Yes, No		21112	DA Hre	3 Rush	Turn Around	mcarmona@carmonaresources.com	City, State ZIP	Address:	Company Name:	Bill to: (if different)	
4 	<u>C</u> 35			Moehring			+	+	╞				C 1	Comp Cont	-		Pa	1_	eter	s			Pres.		@carmona	IP:		ame:	rent)	
	h 8.34	Date/Time		/ Cmoe									×			B	TEX	3021	в						resource				Carm	
	1415	me		hring@		$\left \right $	+	+	+	-		_	×	TF	PH 801					+ MR	0)				es.com				Carmona Resources	
			,	carmo		$\left \right $	+	+	┢	\vdash		_	×			Ch	lorid	e 45	00	×		+	-						ources	
				laresot			+		+			-	+									+	-							
				Irces.com																		1		ANALY						
	HEN.	Rec		m			+	+	\vdash			-	+									+	_	ALYSIS REQUEST						
	a l	Received by: (Signature)					+	1	\vdash				+									+	-	OUEST	Deliv	Rep	Stat	Pro		ĺ
		V: (Sien		а ^т ,				-							÷										Deliverables: EDD	orting:Le	State of Project:	gram: U		
		ature)				+	-	-	-		-	+	+									+	_		EDD	vel II	lect:	ST/PST		
											+	+				_						+	-			Level III		PRP	Work (
															7	N .	7 7				0				ADaPT	Reporting:Level II Level III PST/UST		Brown	Order C	
														San	laOH+A	Zn Acetata+NaOH: Zn	Narso4: NABIS	H-1100 HP	H ₂ SU ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	110	-				Program: UST/PST PRP Brownfields RRC	Work Order Comments	Page
	L. L.													nple Co	scorbic A	ha+NaOH	NaSO-				이		EIVALI	200004	Other:	RRP	I	RRC	nts	e 4
		to/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	4. 7n			NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	LIESELATIVE CODES			Level IV	[uperfund		of 4

5

Received by OCD: 4/11/2024 8:43:23 AM

Page 37 of 37

378

Work Order No:

Page 170 of 190

Chain of Custody

Released to Imaging: 4/12/2024 10:36:53 AM



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. Keine

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	Qualifie
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Jun		Commer to mixe Califiolia / Mcalifiolia@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresource	omments: Email to							JP Caliche	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 43	ate ZIP:	Address: 31	Company Name: C	Project Manager: C
	En	Relin		Mike Carmona								cation		Yes No	Yes No	(Yes)	Temp Blank:			Eddy Cot		Man State	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
	9	Relinquished by: (Signature)	MCamou	Mormon				_			3/12/2024	Date		NIA	A		lank:		CRM	Eddy County, New Mexico	2010	Man State 002H (03.15.2023)			\$ 500	ies (
		(Signature)	a@carmonan									Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No			lexico		5.2023)					
			esources.com								×	Soil	erature:	ading:	JI.		Wet Ice:			Due Date:	Routine	Turr	Email:				
	a. Dr.		and Conne									Water c	1	25.5		140	Yes No			24 Hrs	Rush	Turn Around	t: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)
$\left \right $	2		er Moehrin					+		+	0	Grab/ # of Comp Cont			Pa		eter	s	ľ	S	Pres.		@carmon	ZIP:		ame:	arent)
	1:2-2-4/14:14	Date/Time	ig / Cmo					+		+	×	nt St		B	TEX	-				6	15.		aresourc				Carn
	Inin	ime	ehring@							;	×	TPH	1 801	5M (GR) + C	DRO	+ MF	RO)				es.com				Carmona Resources
\vdash	-		çarmo		-	\square		+	$\left \right $,	×			Ch	lorid	e 45	00			-	-						ources
	11		naresou								+									+	-						
	1110		rces.com													1						ANALYS					
	10	Rece	3		+			+	$\left \right $	+	+									+	-	ALYSIS REQUEST					
	A	Received by: (Signature)									1											UEST	Delive	Repor	State	Progr	
	eller -	(Signat			+		-	-		+	+									+	_		Deliverables: EDD	Reporting:Level II 🗌 Level III	State of Project:	am: UST	
	A	ure)					-	+		+	+					. 7				+	-				H I	/PST	5
	1															1							A	vel III	1	PRP	lork On
			С. р.		-	$\left \right $	+	+		+			Nac	Zn	Na	I I I I	1122			NO	:		ADaPT	□PST/UST		Program: UST/PST PRP Brownfields RRC	Work Order Comments
												Samp	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₂	Nation - NA				NONE: NO		Prese		T	l	ds R	nments
		Date/Time										Sample Comments	rbic Acid	VaOH- Z	SO ³	DIC	NACH. Na	HNU3: HN	MeCH: Me	DI Water: H20		Preservative Codes	Other:				
(L		E.	1. J. 1.									ne	S	3			9	2 0	P	Wa		8		e		uperfund	

Received by OCD: 4/11/2024 8:43:23 AM

Chain of Custody

Page 4 of 4

1377

Work Order No:

APPENDIX F

CARMONA RESOURCES

Received by OCD: 4/11/2024 8:43:23 AM



Released to Imaging: 4/12/2024 10:36:53 AM

Web Soil Survey National Cooperative Soil Survey

3/20/2024 Page 1 of 3



USDA Natural Resources Conservation Service Released to Imaging: 4/12/2024 10:36:53 AM

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
КТ	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

Page 180 of 190

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	
<u>Shrubs:</u>				
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.



August 2009

New Mexico State Land Office Southeastern New Mexico Revegetation Handbook Page 1

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS

Action 332339

40-0110	
Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	332339
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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. Cause: Other | Flow Line - Production | Produced Water | Released: 0 BBL | Recovered: 0 Produced Water Released (bbls) Details

	DDL LOSI. U DDL.
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.

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page 183 of 190

QUESTIONS, Page 2

Action 332339

QUESTIONS (continued) Operator: OGRID: COG OPERATING LLC 229137 600 W Illinois Ave Action Number: Midland, TX 79701 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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Brittany Esparza

Title: Environmental Technician

Date: 04/11/2024

Email: brittany.Esparza@ConocoPhillips.com

I hereby agree and sign off to the above statement

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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 ar	id 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

		to the appropriate district office no later than 90 days after the release discovery date.
Please answer all the questions the	hat apply or are indicated. This information must be provided t	o the appropriate district once no later than 30 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 NMA		
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained 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 CI 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
	· · · · · · · · · · · · · · · · · · ·	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 N which includes the anticipated tim	VMAC unless the site characterization report includes complet elines for beginning and completing the remediation.	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 N which includes the anticipated tim	VMAC unless the site characterization report includes complet	0.1
Per Subsection B of 19.15.29.11 I which includes the anticipated tim On what estimated date wi	VMAC unless the site characterization report includes complet elines for beginning and completing the remediation.	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th	MAC unless the site characterization report includes complet lelines for beginning and completing the remediation. II the remediation commence	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 03/11/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th On what date will (or was)	WAAC unless the site characterization report includes complet belines for beginning and completing the remediation. Il the remediation commence he final sampling or liner inspection occur	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 03/11/2024 03/12/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th On what date will (or was) What is the estimated surfa	VMAC unless the site characterization report includes complet lelines for beginning and completing the remediation. Il the remediation commence ne final sampling or liner inspection occur the remediation complete(d)	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 03/11/2024 03/12/2024 03/27/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th On what date will (or was) What is the estimated surfa What is the estimated volu	VMAC unless the site characterization report includes complet lelines for beginning and completing the remediation. Il the remediation commence the final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 03/11/2024 03/12/2024 03/27/2024 6888
Per Subsection B of 19.15.29.11 N which includes the anticipated tim On what estimated date wi On what date will (or did) th On what date will (or was) What is the estimated surfa What is the estimated volu What is the estimated surfa	MAC unless the site characterization report includes complet lelines for beginning and completing the remediation. Il the remediation commence he final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed me (in cubic yards) that will be reclaimed	0.1 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 03/11/2024 03/12/2024 03/27/2024 6888 360

e party h sp significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Action 332339

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 4

Action 332339

QUESTIONS (continued)	
Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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. Name: Brittany Esparza Title: Environmental Technician I hereby agree and sign off to the above statement 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.

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 5

Action 332339

QUESTIONS (continued)	
Operator: COG OPERATING LLC	OGRID: 229137
600 W Illinois Ave Midland, TX 79701	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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Page 187 of 190

Action 332339

QUESTIONS (continued)	
Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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 adeguately 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
--	---

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page 188 of 190

QUESTIONS, Page 7

Action 332339

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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 eclamation 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	

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 8

Page 189 of 190

Action 332339

QUESTIONS (continued) Operator: OGRID: COG OPERATING LLC 229137 600 W Illinois Ave Action Number: Midland, TX 79701 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.

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

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

Created By Condition

scwells Reclamation approved. Appreciate the thoroughness of this report! CONDITIONS

Action 332339

Condition Date 4/12/2024