

SITE INFORMATION

Closure Report
El Presidente State TB
Eddy County, New Mexico
Incident ID: NAPP2425544205
Unit P Sec 2 T24S R27E
32.240936°, -104.154083°

Produced Water Release

Point of Release: Weld failure on valve

Release Date: 9/11/24

Volume Released: 37 Barrels of Produced Water Volume Recovered: 14 Barrels of Produced Water

CARMONA RESOURCES

Prepared for: Marathon Oil Corporation 990 Town and Country Blvd, Houston, Texas 77024

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

- 2.0 SITE CHARACTERIZATION AND GROUNDWATER
- 3.0 NMAC REGULATORY CRITERIA
- 4.0 LINER INSPECTION/SITE ASSESSMENT ACTIVITIES
- 5.0 REMEDIATION ACTIVITIES/IN-SITU REMEDIATION

TABLES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
	2.1.TDV T. V. O. G. I.		7776.771.7703
FIGURE 3	SAMPLE LOCA	TION FIGURE 4	EXCAVATION

APPENDICES

APPENDIX B	PHOTOS
APPENDIX C	INITIAL AND FINAL C-141/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

APPENDIX A



October 31, 2024

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

Re: Closure Report

El Presidente State TB Marathon Oil Corporation Incident ID: NAPP2425544205 Site Location: Unit P, S2, T24S, R27E (Lat 32.240936°, Long -104.154083°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Company, Carmona Resources, LLC has prepared this letter to document site activities for the El Presidente State TB. The site is located at 32.240936°, -104.154083° within Unit P, S2, T24S, R27E, 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 September 11, 2024, caused by a weld failure on a valve. The incident released thirty-seven (37) barrels of produced water, with fourteen (14) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high 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 0.92 miles southeast of the site in S12, T24S, R27E, and was drilled in 2008. The well has a reported depth to groundwater of 56' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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



4.0 Site Assessment Activities

Initial Assessment

On September 16, 2024, Carmona Resources, LLC was onsite to perform an initial assessment to evaluate soil impacts stemming from the release. Two (2) sample points (S-1 and S-2) and six horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 7' bgs inside and surrounding the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

The areas of S-1 and S-2 showed elevated chloride levels above regulatory thresholds ranging from 1,790 ppm to 11,200 ppm. Refer to Table 1.

Horizontal Delineation

All horizontal sample points (H-1 through H-6) were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on October 4, 2024 per Subsection D of 19.15.29.12 NMAC. See Appendix C. After all hazards were identified, the area of S-1 was excavated to a depth of 6.5' below the surface, and the area of S-2 was excavated to a depth of 5.5' below the surface to remove all the impacted soils. A total of five (5) floor confirmation samples were collected (CS-1 through CS-5), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfill sample was analyzed 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. Approximately 190 cubic yards of material were excavated and transported offsite for proper disposal.

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6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

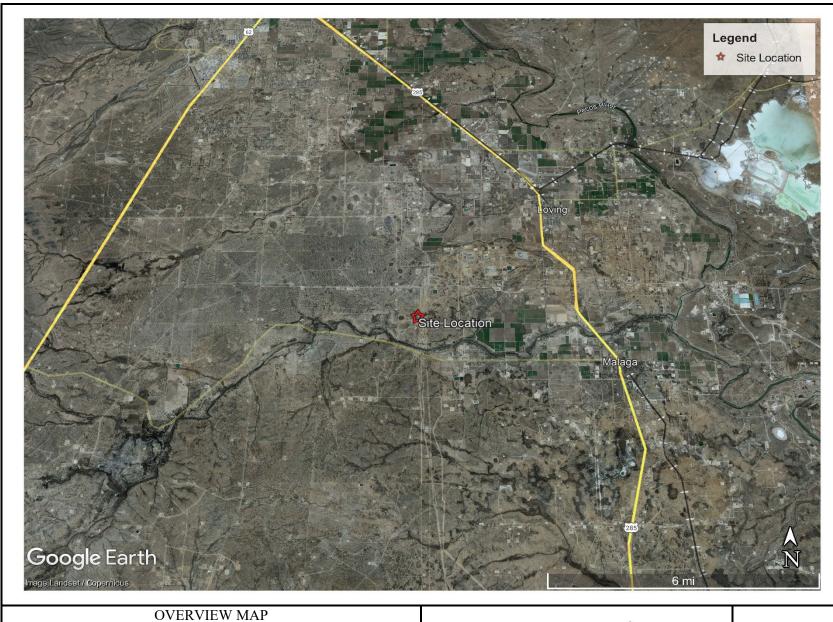
Stephen Reyes

Environmental Engineer

Devin Dominguez Sr. Project Manager

FIGURES

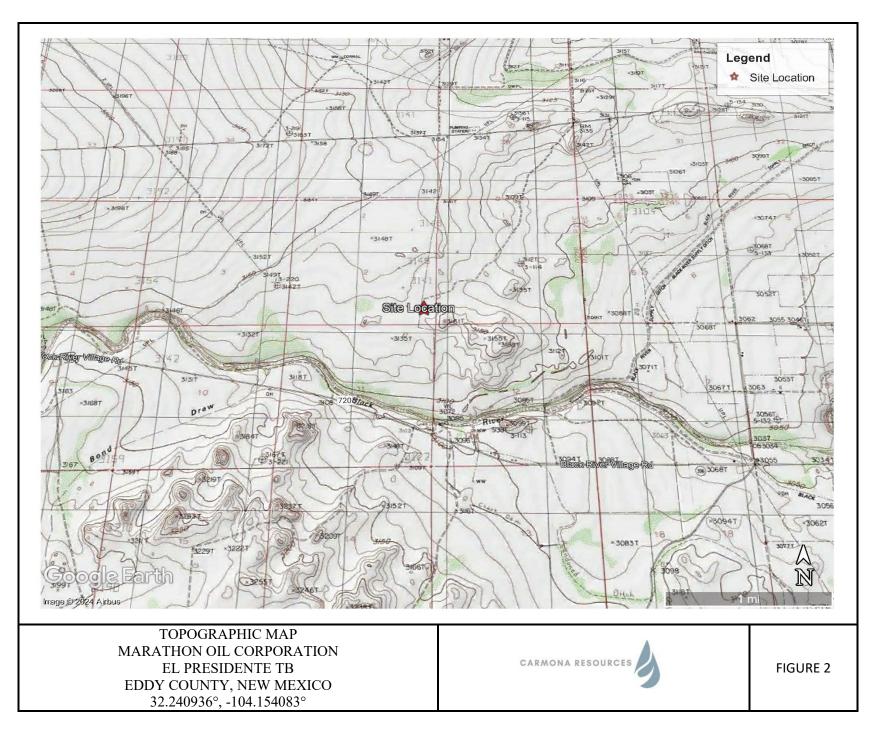
CARMONA RESOURCES

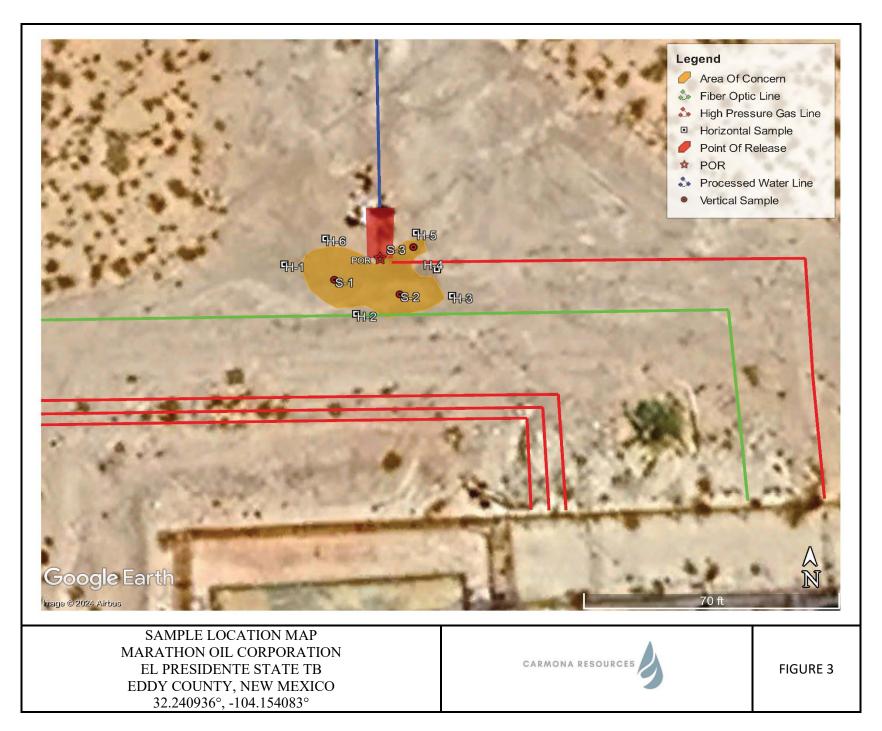


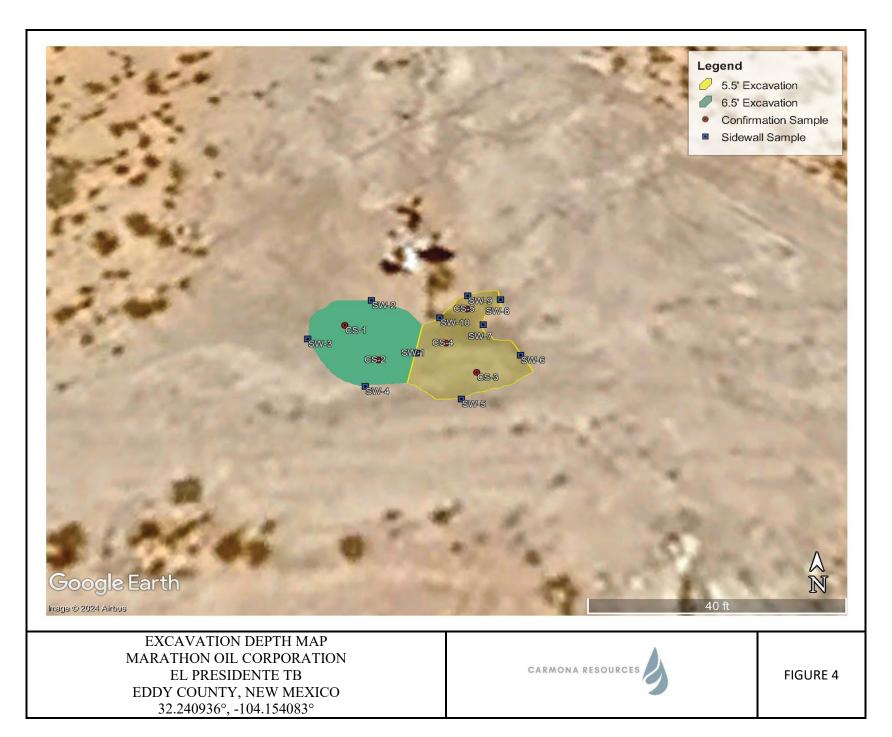
MARATHON OIL CORPORATION EL PRESIDENTE STATE TB EDDY COUNTY, NEW MEXICO 32.240936°, -104.154083°



FIGURE 1







APPENDIX A



Table 1
Marathon Oil Corporation
El Presidente 3 5 6 10
Eddy County, New Mexico

				TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
	9/16/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10,400
	"	1.5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8,750
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9,710
S-1	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,460
3-1	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11,200
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,860
	"	6'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,790
	"	7'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	9.54
	9/16/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,020
	"	1.5'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9,890
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11,100
0.0	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,170
S-2	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,820
	"	5'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,230
	"	6'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	345
	"	7'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	11.8
H-1	9/16/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.65
H-2	9/16/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.59
H-3	9/16/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9.66
H-4	9/16/2024	0-0.5'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.81
H-5	9/16/2024	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.41
H-6	9/16/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7.51
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Sample Point

(H) Horizontal Point

Table 2
Marathon Oil Corporation
El Presidente 3 5 6 10
Eddy County, New Mexico

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total		(IIIg/kg)		(IIIg/kg)		
CS-1	10/10/2024	6.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	293
CS-2	10/10/2024	6.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	317
CS-3	10/10/2024	5.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	112
CS-4	10/10/2024	5.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	164
CS-5	10/10/2024	5.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	150
SW-1	10/10/2024	1'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	143
SW-2	10/10/2024	6.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	198
SW-3	10/10/2024	6.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	187
SW-4	10/10/2024	6.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	436
SW-5	10/10/2024	6.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	410
SW-6	10/10/2024	5.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	175
SW-7	10/10/2024	5.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	409
SW-8	10/10/2024	5.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	339
SW-9	10/10/2024	5.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
SW-10	10/10/2024	5.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	173
Backfill	10/10/2024	-	<50.0	15.3	<50.0	15.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.3
	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View West of initial release



Photograph No. 2

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View North of initial release



Photograph No. 3

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View East of initial release



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 4

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View West, area of CS-1 and CS-2



Photograph No. 5

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View North, area of CS-3 and CS-4



Photograph No. 6

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View Southeast area of CS-5



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 7

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View West of backfilled area



APPENDIX C

CARMONA RESOURCES

<u>District I</u> 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

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 382605

QUESTIONS

ı	Operator:	OGRID:
ı	MARATHON OIL PERMIAN LLC	372098
ı	990 Town & Country Blvd.	Action Number:
ı	Houston, TX 77024	382605
ı		Action Type:
ı		[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source				
Please answer all the questions in this group.				
Site Name	EL PRESIDENTE STATE TB			
Date Release Discovered	09/11/2024			
Surface Owner	State			

ncident 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 fo	or the volumes provided should be attached to the followarp C-141 submission
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 37 BBL Recovered: 14 BBL Lost: 23 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 382605

QUESTIONS	(continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	382605
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes				
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.				
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 si	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.				

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 382605

ACKNOWLEDGMENTS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	382605
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

~	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	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.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	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.
V	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.
V	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 382605

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	382605
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cswansonsteege	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/11/2024

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

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

QUESTIONS

Action 386537

QUESTIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	386537
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425544205
Incident Name	NAPP2425544205 EL PRESIDENTE STATE TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2125248026] EL PRESIDENTE STATE TB

Location of Release Source		
Please answer all the questions in this group.		
Site Name	EL PRESIDENTE STATE TB	
Date Release Discovered	09/11/2024	
Surface Owner	State	

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 37 BBL Recovered: 14 BBL Lost: 23 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A 4" balon valve weld failure resulted in an estimated 37.27 bbl of produced water released onto ROE R36828. All standing fluid was recovered and an initial scrape of the surface was completed. Delineation and remedation planning is ongoing.	

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 386537

Phone:(505) 476-3470 Fax:(505) 476-3462	
	TIONS (continued)
Operator: MARATHON OIL PERMIAN LLC	OGRID: 372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	386537
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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 Passage	
Initial Response The responsible party must undertake the following actions immediately unless they could create a	a posaty hazard that would coult 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	t 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.
	ediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o leted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rel the OCD does not relieve the operator of liability should their operations have failed to	y knowledge and understand that pursuant to OCD rules and regulations all operators are required leases which may endanger public health or the environment. The acceptance of a C-141 report by a adequately investigate and remediate contamination that pose a threat to groundwater, surface ort does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Cody Swanson Steege
I hereby agree and sign off to the above statement	Title: Compliance Supervisor

Email: swansonste@marathonoil.com

Date: 09/25/2024

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

QUESTIONS, Page 3

Action 386537

QUESTIONS ((continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	386537
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.			
What method was used to determine the depth to ground water	Not answered.			
Did this release impact groundwater or surface water	Not answered.			
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Not answered.			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.			
An occupied permanent residence, school, hospital, institution, or church	Not answered.			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.			
Any other fresh water well or spring	Not answered.			
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.			
A wetland	Not answered.			
A subsurface mine	Not answered.			
An (non-karst) unstable area	Not answered.			
Categorize the risk of this well / site being in a karst geology	Not answered.			
A 100-year floodplain	Not answered.			
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.			

Remediation Plan				
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.				
Requesting a remediation plan approval with this submission	No			
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in ac significantly deviate from the remediation plan proposed, then it should consult with the division to	cordance with the physical realities encountered during remediation. If the responsible party has any need to determine if another remediation plan submission is required.			

MRO Spill Calculation Tool

Standing Liquid Inputs:	Length (ft.)	Width (ft.) (Area for Displacement)	Avg. Liquid Depth (in.)	% Oil	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Rectangle Area #1	16	60	1		14.25	14.25	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
Vessel Displacement					0.00	0.00	0.00
Vessel Displacement					0.00	0.00	0.00
-		•	-	Liquid Volume:	14.25	14.25	0.00
Saturated Soil Inputs:	Length (ft.)	Soil Type: Width (ft.) / (SQ Ft)	Gravel Loam Avg. Saturated Depth (in.)	% Oil	Total Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Rectangle Area #1	16	60	10		22.80	22.80	0.00
Rectangle Area #2	4	12	2		0.23	0.23	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
SQ FT Calc					0.00	0.00	0.00
Rectangle Area #8					0.00	0.00	0.00
_			:	Saturated Volume	23.03	23.03	0.00
			Total Sr	oill Volume (bbls):	Total Volume (bbls) 37.27	Water Volume (bbls) 37.27	Oil Volume (bbls)
				oill Volume (gals):	1565.52	1565.52	0.00
omments:			· otai o	om voiame (gais).	1303.32	1303.32	0.00
minients.							
			Color Key:	Required Input Cells	Supplemental Input Cells	No Input (Calculations)	No Input
		Gro	und/Vegetatio	on Overspray			
over Type		Microns	Approximate De	epth (in)			
round							
		10	0.00003281				
ull Color		10	0.00003281				

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

CONDITIONS

Action 386537

CONDITIONS

Operator:	OGRID:	
MARATHON OIL PERMIAN LLC	372098	
990 Town & Country Blvd.	Action Number:	
Houston, TX 77024	386537	
	Action Type:	
	[C-141] Initial C-141 (C-141-v-Initial)	

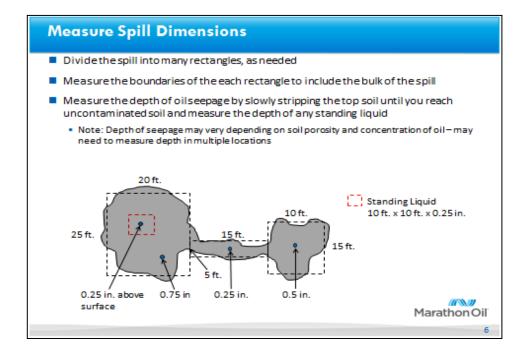
CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/25/2024

1/8"

1/4" 1/2"

3/4"



Number of Tanks Area of Displacement (Ft2)

2256

12

0.125

0.25

0.5

0.75

Clay Loam Gravel or Sand Gravel Loam Sandy Clay Loam 0.16 0.08 0.14

0.14

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

QUESTIONS

Action 390131

QUESTIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	390131
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites			
Incident ID (n#)	nAPP2425544205		
Incident Name	NAPP2425544205 EL PRESIDENTE STATE TB @ 0		
Incident Type	Produced Water Release		
Incident Status	Initial C-141 Approved		
Incident Facility	[fAPP2125248026] EL PRESIDENTE STATE TB		

Location of Release Source		
Site Name	EL PRESIDENTE STATE TB	
Date Release Discovered	09/11/2024	
Surface Owner	State	

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	612
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/10/2024
Time sampling will commence	04:00 PM
Please provide any information necessary for observers to contact samplers	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	From the intersection of Bounds Rd and unmarked lease road, travel 1.94 miles southwest on unmarked lease road. Job site is on north side of the battery in the right of way

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CONDITIONS

Action 390131

CONDITIONS

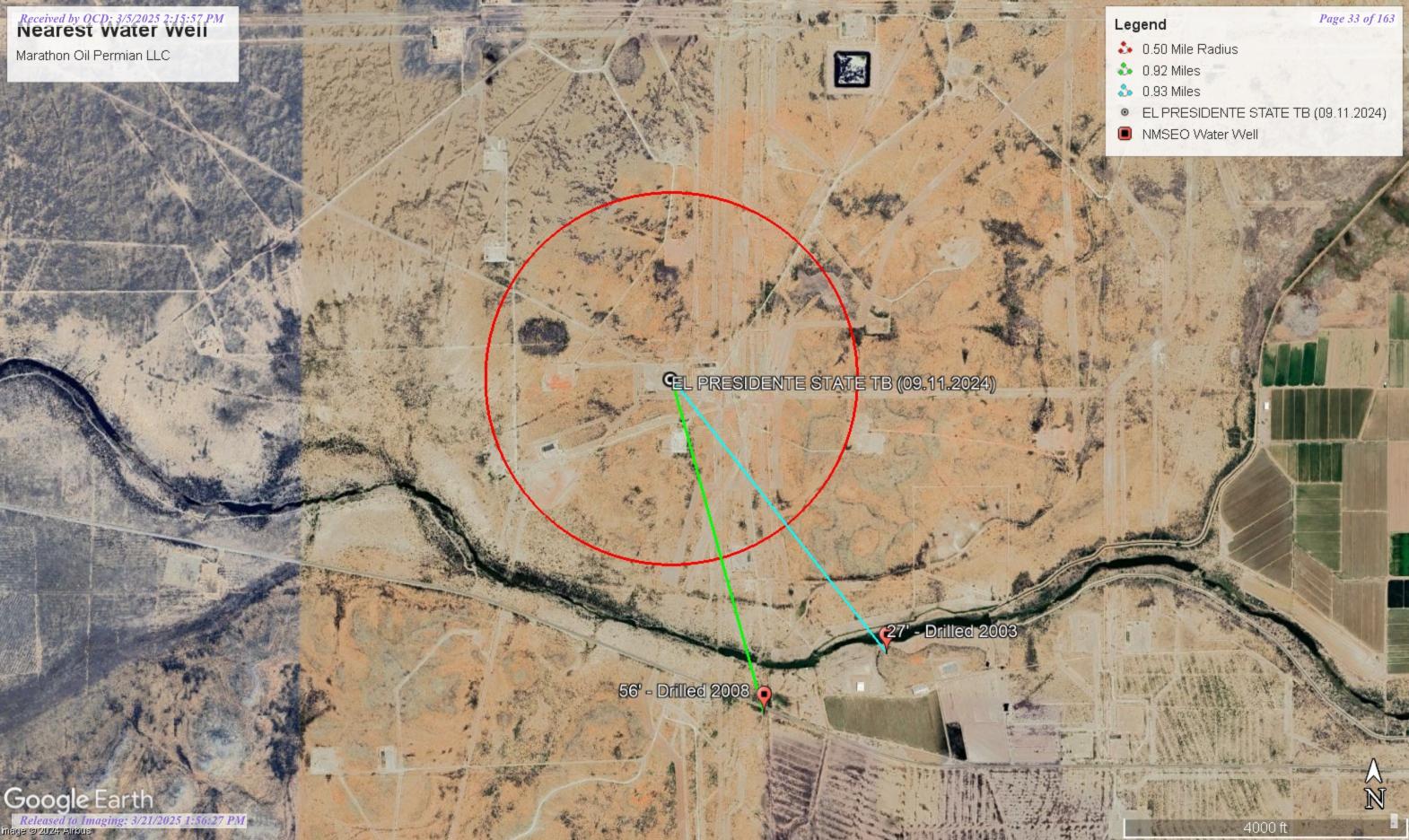
Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	390131
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		Condition Date
cswansonsteege	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.	10/8/2024

APPENDIX D

CARMONA RESOURCES





POD NUMBER (WELL NUMBER)

Claramai R. Hayhurst

WELL OWNER MAILING ADDRESS

LATITUDE

LONGITUDE

Well is about 75' from Black River Village Rd.

1/4

(10 ACRE)

SW

WELL OWNER NAME(S)

518 E. Orchard

WELL

LOCATION

(FROM GPS)

(2.5 ACRE)

SUBDIVISION NAME

LICENSE NUMBER

WD-1348 DRILLING STARTED

11/2/08

COMPLETED WELL IS:

DRILLING FLUID:

FROM

FROM

59

70

DRILLING METHOD:

DEPTH (FT)

DEPTH (FT)

TO

TO

64

76

HYDROGRAPHIC SURVEY

NW 1/4



GENERAL AND WELL LOCATION

OPTIONAL

3. DRILLING INFORMATION

4. WATER BEARING STRATA

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

DEGREES

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

SW

NAME OF LICENSED DRILLER

Clinton Taylor

DRILLING ENDED

11/02/08

ARTESIAN

✓ ROTARY

BORE HOLE

DIA. (IN)

THICKNESS

(FT)

3

6

V AIR

32

104

(40 ACRE)

www.ose.state.nm.us

LO)G			1	TUS NOV -1	STATE ENGINE
		OSE FILE NUN	MBER(S)		-[) "
		C-3260				
		PHONE (OPTIO	=			ំ ីភ
		575-887-	6313 			ر <u>۱</u>
		CTTY Carlsbad		STATE NM	QΩ	ZIP 3220
		Carisbau		INIVI		5220
SECO		* * * * * * * * * * * * * * * * * * * *	DEOLUDES OUT TO	mar or + cc.	NONE.	
3	7.90 N	j	REQUIRED: ONE TEN	ITH OF A SEC	COND	
	3.63 W	DATUM KE	QUIRED: WGS 84			
LANDM	IARKS	ı				
E)	SECTION		TOWNSHIP		RANGE	
<u>.</u>		12	24	NORTH	27	✓ EAST
	LOT NUM		BLOCK NUMBER	✓ SOUTH	UNIT/TRA	CT WEST
	l		MAP NUMBER		TRACT NU	MBER
					4	
			NAME OF WELL DE	RILLING COM	IPANY	
			Taylor Water			
T)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	l .	80'	Deep[en Existing Well			li
			STATIC WATER LEVEL IN COMPLETED WELL (FT)			L (FT)
W (UNC	NFINED)			56'		
ES – SPE	CIFY:					
COOL		R – SPECIFY:				
	r -		DIGITAL	Later		GT CM
	CONNECTION TYPE (CASING)		INSIDE DIA. CASING (IN)	INSIDE DIA. CASING WALL CASING (IN) THICKNESS (IN)		SLOT SIZE (IN)
	(()				, ,	
				 		
				 		
ECCDIM	FION OF P	DINICIDAL VI	ATER-BEARING S	TDATA		VIDET D
			ATEK-BEARING S R FRACTURE ZON			YIELD (GPM)
		d 1 1/2' of o				UK 🚌
		of rock	·		8	UK .

MINUTES

13

9

(160 ACRE)

1/4

SHALLOW (UNCONFINED)

ADDITIVES - SPECIFY:

CABLE TOOL

SW

DEPTH OF COMPLETED WELL (FT)

DRY HOLE

HAMMER

MUD

80'

CASING

MATERIAL

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING ST Pumped 20 Gpm for 16 hours.	TOTAL ESTIMATED WELL YIELD (GPM) More than 20 Gpm		
FOR OSE INTERNAL USE		WELL RECORD &	LOG (Version 6/9/08)
FILE NUMBER C-3260	POD NUMBER	TRN NUMBER,	/-/-
LOCATION 245, 275. 12.3=	3 /		PAGE 1 OF 2

FORMATION DESCRIPTION OF PRINCIP (INCLUDE WATER-BEARING CAVIT

417021



IMP	TYPE OF PUMP		☑ SUBMERSIBLE ☐ TURBINE		☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ CYLINDER ☐ OTHER – SPECIFY:						
S. SEAL AND PUMP	ANNULAR SEAL AND GRAVEL PACK		DEPTI- FROM	TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHO PLACE			
	DEPTH (FT) THICKNESS		C	OLOR AND TYPE OF MATERIAL ENCOUN	TERED	WA	LEAD				
	FROM	то	(FT)		(INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)		BEARING?				
	59	61	2		No returns. Rock.		☑ YES	□NO			
	61	62.5	1.5		Open hole. (Cave)		☑ YES	□NO			
	62.5	64	1.5		Rock		☑ YES	□NO			
	64	70	6		Clay		☐ YES	☑ NO			
T	70	76	6		Rock		☑ YES	□NO			
GEOLOGIC LOG OF WELL	76	80	4		Clay		☐ YES	☑ NO			
								☐ YES	□ NO		
ľ								YES	□NO		
0.5								☐ YES	□NO		
OLO					ļ			☐ YES	□ NO		
6, GE								☐ YES	□NO		
								YES	□NO		
								YES	□NO		
								YES	□NO		
								☐ YES	□NO		
							***	YES	□ NO		
		<u>L</u>	1 777 1 677	×	LAL BAGEG AGAPTI		~~~~	YES	□NO		
		ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL									
ု့						☐ AIR LIFT ☐ OTHER – SPECIFY:					
I IN					ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, ING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
NA.	ADDITIO	NAL STATE	MENTS OR EXPL	ANATIONS:							
7. TEST & ADDITIONAL INFO	Existing well has 6" Id steel casing. Well was 59' deep with 56' static water level. Rigged up rotary rig with 5 1/2" bit and deepened to 80'. Drilled with air and foam. No returns came to surface at all during drilling. Lithology estimated by drill rate and action. Rigged down and installed pump to 64' and ran for 16 hours at 20 gpm without pumping off.										
8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AN THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING: 1/4/0 DATE										
8. SIC		E INTERN		RE OF DRIL	LER		WELL RECORD & LOG				

POD NUMBER

417021

PAGE 2 OF 2

TRN NUMBER

FILE NUMBER

LOCATION

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Υ	Мар
	C 02976	SE	NE	SW	12	24S	27E	580519.0	3566195.0 *	•

* UTM location was derived from PLSS - see Help

Driller License:	1348	Driller Company:					
Driller Name:	EXISTING WE	ELL					
Drill Start Date:	2003-09-26	Drill Finish Date:	2003-09-27	-27 Plug Date:			
Log File Date:	2003-09-29	PCW Rcv Date:		Source:	Shallow		
Pump Type:	SUBMER	Pipe Discharge Size:	1.25	Estimated Yield:	60		
Casing Size: 6.65		Depth Well:	57	Depth Water:	27		

Water Bearing Stratifications:

Тор	Bottom	Description
0	6	Other/Unknown
6	22	Other/Unknown
22	28	Other/Unknown
28	37	Other/Unknown
37	42	Sandstone/Gravel/Conglomerate
42	57	Other/Unknown

Casing Perforations:

Тор	Bottom
37	57

Meter Information

Meter Number:	7472	Meter Make:	MASTE
Meter Serial Number:	2144882	Meter Multiplier:	100.0000
Number of Dials:	5	Meter Type:	Diversion

Unit of Measure: Gallons Reading Frequency: Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag Rdr Comment		Comment	Mtr Amount	Online
2003-12-04	2003	53319.000	А	RPT		0.000	
2004-01-20	2003	58180.000	А	RPT	JOB COMPLETE	1.492	

YTD Meter Amounts:

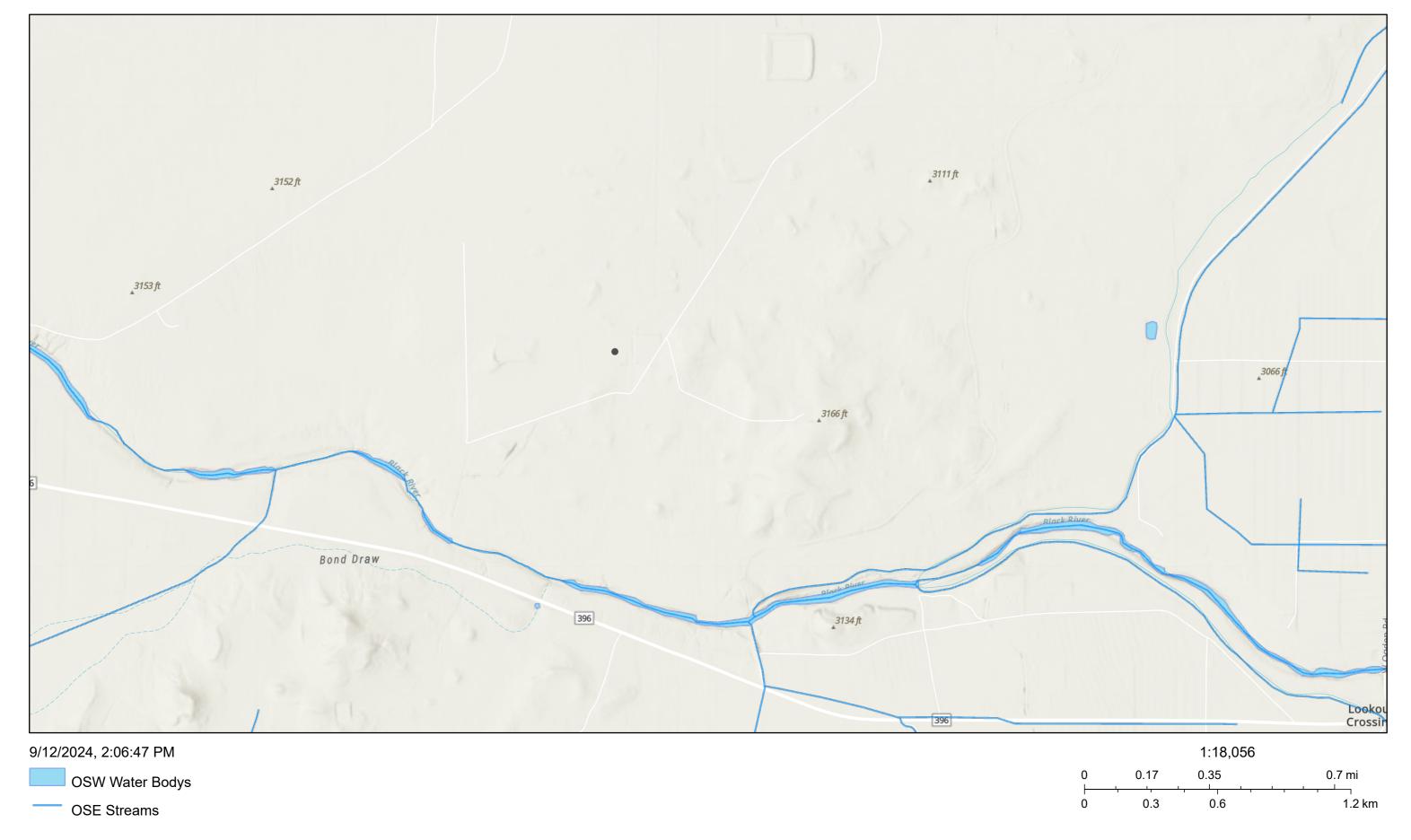
Year	Amount
2003	1.492

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, or suitability for any particular purpose of the data.

9/12/24 1:10 PM MST Point of Diversion Summary

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EL PRESIDENTE STATE TB (09.11.2024)



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APPENDIX E

CARMONA RESOURCES

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/23/2024 5:59:08 PM

JOB DESCRIPTION

El Presidente 3 5 6 10 Eddy County, New mexico

JOB NUMBER

880-48607-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 9/23/2024 5:59:08 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 Laboratory Job ID: 880-48607-1 SDG: Eddy County, New mexico

Table of Contents

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

Definitions/Glossary

Job ID: 880-48607-1 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New mexico

Qualifiers

GC VOA Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-48607-1 Project: El Presidente 3 5 6 10

Eurofins Midland Job ID: 880-48607-1

Job Narrative 880-48607-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 9/18/2024 9:20 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 -6.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-48607-1), S-1 (1.5') (880-48607-2), S-1 (2') (880-48607-3), S-1 (3') (880-48607-4), S-1 (4') (880-48607-5), S-1 (5') (880-48607-6), S-1 (6') (880-48607-7) and S-1 (7') (880-48607-8).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91109 and analytical batch 880-91170 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-91408 and analytical batch 880-91414 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: S-1 (7') (880-48607-8). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

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

Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/18/24 13:24	09/19/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/18/24 13:24	09/19/24 22:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/18/24 13:24	09/19/24 22:31	1
Method: TAL SOP Total BTEX -	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/19/24 22:31	1
Analyte Total TPH		Qualifier U	49.7	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 14:15	Dil Fac
- -					9/.19			00/22/2	
Method: SW846 8015B NM - Die	sei Range Orga	nics (DRO)	/(4C3)						
		0 116	•			_			D.: E
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Gasoline Range Organics			•	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/21/24 17:25	Analyzed 09/22/24 14:15	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	RL 49.7	MDL	mg/Kg	<u>D</u>	09/21/24 17:25	09/22/24 14:15	1
Gasoline Range Organics		U	RL	MDL		<u>D</u>	<u>.</u>		1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.7	U	RL 49.7	MDL	mg/Kg	<u> </u>	09/21/24 17:25	09/22/24 14:15	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.7 <49.7	U U	RL 49.7	MDL	mg/Kg	<u> </u>	09/21/24 17:25 09/21/24 17:25	09/22/24 14:15 09/22/24 14:15	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.7 <49.7 <49.7	U U	49.7 49.7 49.7	MDL	mg/Kg	<u>D</u>	09/21/24 17:25 09/21/24 17:25 09/21/24 17:25	09/22/24 14:15 09/22/24 14:15 09/22/24 14:15	1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<49.7 <49.7 <49.7 %Recovery	U U	49.7 49.7 49.7 <i>Limits</i>	MDL	mg/Kg	<u>D</u>	09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared	09/22/24 14:15 09/22/24 14:15 09/22/24 14:15 Analyzed	1 1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.7 <49.7 <49.7 <49.7 %Recovery 127 124	U U U Qualifier	RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	mg/Kg	<u>D</u>	09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared 09/21/24 17:25	09/22/24 14:15 09/22/24 14:15 09/22/24 14:15 Analyzed 09/22/24 14:15	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.7 <49.7 <49.7 <49.7 %Recovery 127 124 Chromatograp	U U U Qualifier	RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130		mg/Kg	<u>D</u>	09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared 09/21/24 17:25	09/22/24 14:15 09/22/24 14:15 09/22/24 14:15 Analyzed 09/22/24 14:15	1 1 1 1 Dil Fac

Client Sample ID: S-1 (1.5')

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/18/24 13:24	09/19/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/18/24 13:24	09/19/24 22:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/18/24 13:24	09/19/24 22:51	1

Eurofins Midland

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Client Sample Results

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1 SDG: Eddy County, New mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-48607-2

Matrix: Solid

Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

C10-C28)

Method: TAL SOP Total BTEX - To	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/19/24 22:51	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/22/24 14:33	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	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 14:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 14:33	1

Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	09/21/24 17:25	09/22/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130		09/21/24 17:25	09/22/24 14:33	1
o-Terphenyl	123		70 - 130		09/21/24 17:25	09/22/24 14:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac 8750 99.2 Chloride mg/Kg 09/19/24 09:39

Client Sample ID: S-1 (2') Lab Sample ID: 880-48607-3 Date Collected: 09/16/24 00:00 **Matrix: Solid**

Date Received: 09/18/24 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/18/24 13:24	09/19/24 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/18/24 13:24	09/19/24 23:12	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				09/18/24 13:24	09/19/24 23:12	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/18/24 13:24 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	Qualifier U	RL 0.00403			<u>D</u>		Analyzed	
·	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 09/19/24 23:12	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 50.0		mg/Kg		Prepared	Analyzed 09/19/24 23:12 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/19/24 23:12 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result <50.0 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00403 GC) RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/19/24 23:12 Analyzed 09/22/24 14:53	Dil Fac

Job ID: 880-48607-1

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

Lab Sample ID: 880-48607-3

Matrix: Solid

Client Sample ID: S-1 (2') Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)			GC) (Continu	(Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 14:53	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	09/21/24 17:25	09/22/24 14:53	1
o-Terphenyl	112		70 - 130	09/21/24 17:25	09/22/24 14:53	1

Method: EPA 300.0 - Anion	s, Ion Chromatography - Soluble	
Δnalvto	Result Qualifier	RI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9710		101		mg/Kg			09/19/24 09:46	20

Client Sample ID: S-1 (3')

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-4

Matrix: Solid

Method: 344046 60216 - Volatile C	rganic compounds (GC)
Analyte	Result Qualifier

1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ē	Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
-	l foluene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
E	Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
r	n-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
(o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
)	Kylenes, Total	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/19/24 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/18/24 13:24	09/19/24 23:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/18/24 13:24	09/19/24 23:32	1

Method: TAL	. SOP Total B	TEX - Total	BTEX	Calc	ulatio	n

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/24 23:32	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/22/24 15:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 15:11	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 15:11	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 15:11	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121	70 - 130	09/21/24 17:25	09/22/24 15:11	1
o-Terphenyl	119	70 - 130	09/21/24 17:25	09/22/24 15:11	1

Method: FPA 300 0 - Anions	, Ion Chromatography - Soluble
Michiga. El A 000.0 - Allions	ion omomatography - ociable

Released to Imaging: 3/21/2025 1:56:27 PM

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8460	99.4	mg/Kg			09/19/24 09:53	20

Client Sample Results

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-48607-5

Date Collected: 09/16/24 00:00 Matrix: Solid
Date Received: 09/18/24 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:52	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:52	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/19/24 23:52	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/19/24 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/18/24 13:24	09/19/24 23:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/18/24 13:24	09/19/24 23:52	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/24 23:52	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 15:32	
Analyte Total TPH		Qualifier U	RL 49.8	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.8	Qualifier U	RL 49.8			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier Unics (DRO) Qualifier	RL 49.8		mg/Kg		<u> </u>	09/22/24 15:32	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	09/22/24 15:32 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 09/21/24 17:25	09/22/24 15:32 Analyzed 09/22/24 15:32	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25	09/22/24 15:32 Analyzed 09/22/24 15:32 09/22/24 15:32	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25 09/21/24 17:25	09/22/24 15:32 Analyzed 09/22/24 15:32 09/22/24 15:32	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.8 Result <49.8	Qualifier U nics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared	09/22/24 15:32 Analyzed 09/22/24 15:32 09/22/24 15:32 09/22/24 15:32 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8 Result <49.8 Result <49.8 <49.8 <49.8 Result <49.8	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared 09/21/24 17:25	09/22/24 15:32 Analyzed 09/22/24 15:32 09/22/24 15:32 09/22/24 15:32 Analyzed 09/22/24 15:32	Dil Fac
	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25 09/21/24 17:25 Prepared 09/21/24 17:25	09/22/24 15:32 Analyzed 09/22/24 15:32 09/22/24 15:32 09/22/24 15:32 Analyzed 09/22/24 15:32	Dil Fac

Client Sample ID: S-1 (5')

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/18/24 13:24	09/20/24 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/18/24 13:24	09/20/24 00:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/18/24 13:24	09/20/24 00:13	1

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2

3

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8

10

12

1 /

Client: Carmona Resources

Date Received: 09/18/24 09:20

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1 SDG: Eddy County, New mexico

Client Sample ID: S-1 (5') Date Collected: 09/16/24 00:00

111

Lab Sample ID: 880-48607-6

09/22/24 15:51

09/21/24 17:25

Matrix: Solid

Method: TAL SOP Total BTEX - Total	al BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/20/24 00:13	1
Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (C	3C)						

MDL Unit Analyzed Dil Fac Analyte Result Qualifier RL D Prepared Total TPH <49.9 U 49.9 09/22/24 15:51 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed <49.9 U 49.9 09/21/24 17:25 09/22/24 15:51 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 49.9 <49.9 U mg/Kg 09/21/24 17:25 09/22/24 15:51 C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 09/21/24 17:25 09/22/24 15:51 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 70 - 130 09/21/24 17:25 1-Chlorooctane 108 09/22/24 15:51

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 1860 50.5 mg/Kg 09/19/24 10:19

70 - 130

Client Sample ID: S-1 (6') Lab Sample ID: 880-48607-7 Date Collected: 09/16/24 00:00 **Matrix: Solid**

Date Received: 09/18/24 09:20

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/18/24 13:24	09/20/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/18/24 13:24	09/20/24 00:33	1
							00/10/01 10 01	00/00/01/00	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTE Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/18/24 13:24 Prepared	09/20/24 00:33 Analyzed	
Method: TAL SOP Total BTEX	(- Total BTEX Cald								·
	(- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	D	09/18/24 13:24 Prepared	Analyzed 09/20/24 00:33	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	(- Total BTEX Cald Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	(- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di	(- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 09/20/24 00:33	Dil Fac
Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di Analyte	C - Total BTEX Calc Result <0.00398 esel Range Organ Result <49.6	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————		mg/Kg		Prepared	Analyzed 09/20/24 00:33 Analyzed	Dil Fac
Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH	(- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.6	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 ————————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/20/24 00:33 Analyzed	Dil Fac
Method: TAL SOP Total BTE) Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I	(- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.6	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.6 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/20/24 00:33 Analyzed 09/22/24 16:11	Dil Fac

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Released to Imaging: 3/21/2025 1:56:27 PM

Client Sample Results

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1

SDG: Eddy County, New mexico

Lab Sample ID: 880-48607-7

Matrix: Solid

Client Sample ID: S-1 (6') Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/21/24 17:25	09/22/24 16:11	1
o-Terphenyl	122		70 - 130				09/21/24 17:25	09/22/24 16:11	1

Method: EPA 300.0 - Anions, Ion C	hromatograph	hy - Soluble	!						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1790		50.0		mg/Kg			09/19/24 10:26	10

Client Sample ID: S-1 (7')

Date Collected: 09/16/24 00:00

Lab Sample ID: 880-480	307- 8
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Matrix: Solid

Analyte	Organic Comp	ounds (GC) Qualifier) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198		0.00198	- WIDE	mg/Kg		09/18/24 13:24	09/20/24 00:54	
Toluene	<0.00198		0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	,
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		09/18/24 13:24	09/20/24 00:54	
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/18/24 13:24	09/20/24 00:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130				09/18/24 13:24	09/20/24 00:54	
1,4-Difluorobenzene (Surr)	101		70 - 130				09/18/24 13:24	09/20/24 00:54	:
Total BTEX Method: SW846 8015 NM - Diese	<0.00396		0.00396		mg/Kg			09/20/24 00:54	•
	•		•			_	_		
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <50.2	Qualifier U	RL 50.2	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/22/24 16:30	Dil Fac
Analyte	Result <50.2 sel Range Orga	Qualifier U	RL 50.2	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.2 sel Range Orga	Qualifier U nics (DRO) Qualifier	RL 50.2		mg/Kg			09/22/24 16:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.2 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.2 (GC)		mg/Kg		Prepared	09/22/24 16:30 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.2 sel Range Orga Result <50.2	Qualifier U nics (DRO) Qualifier U	RL 50.2		mg/Kg Unit mg/Kg		Prepared 09/21/24 17:25	09/22/24 16:30 Analyzed 09/22/24 16:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25	09/22/24 16:30 Analyzed 09/22/24 16:30 09/22/24 16:30	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2 50.2		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/21/24 17:25 09/21/24 17:25	09/22/24 16:30 Analyzed 09/22/24 16:30 09/22/24 16:30 09/22/24 16:30	Dil Fac

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Analyzed

09/19/24 10:33

RL

4.98

MDL Unit

mg/Kg

Prepared

Result Qualifier

9.54

Dil Fac

Analyte

Chloride

Surrogate Summary

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-48607-1	S-1 (0-1')	104	102	
80-48607-1 MS	S-1 (0-1')	103	99	
880-48607-1 MSD	S-1 (0-1')	102	100	
380-48607-2	S-1 (1.5')	106	101	
380-48607-3	S-1 (2')	107	100	
380-48607-4	S-1 (3')	108	101	
880-48607-5	S-1 (4')	108	101	
880-48607-6	S-1 (5')	108	99	
380-48607-7	S-1 (6')	105	102	
80-48607-8	S-1 (7')	105	101	
.CS 880-91109/1-A	Lab Control Sample	98	101	
CSD 880-91109/2-A	Lab Control Sample Dup	102	98	
MB 880-91109/5-A	Method Blank	97	97	
MB 880-91176/5-A	Method Blank	98	96	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-48607-1	S-1 (0-1')	127	124	
380-48607-2	S-1 (1.5')	130	123	
380-48607-3	S-1 (2')	112	112	
380-48607-4	S-1 (3')	121	119	
380-48607-5	S-1 (4')	112	111	
380-48607-6	S-1 (5')	108	111	
380-48607-7	S-1 (6')	118	122	
880-48607-8	S-1 (7')	144 S1+	143 S1+	
90-7107-A-22-D MS	Matrix Spike	124	115	
390-7107-A-22-E MSD	Matrix Spike Duplicate	118	112	
CS 880-91408/2-A	Lab Control Sample	109	103	
CSD 880-91408/3-A	Lab Control Sample Dup	108	100	
MB 880-91408/1-A	Method Blank	219 S1+	214 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Job ID: 880-48607-1 Client: Carmona Resources SDG: Eddy County, New mexico Project/Site: El Presidente 3 5 6 10

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91109/5-A

Matrix: Solid Analysis Batch: 91170

MD MD

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91109

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/18/24 13:24	09/19/24 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 13:24	09/19/24 22:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/18/24 13:24	09/19/24 22:09	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/18/24 13:24	09/19/24 22:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/18/24 13:24	09/19/24 22:09	1

Lab Sample ID: LCS 880-91109/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 91170

Prep Type: Total/NA

Prep Batch: 91109

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09686	-	mg/Kg		97	70 - 130	
Toluene	0.100	0.09220		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09031		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.09647		mg/Kg		96	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-91109/2-A

Matrix: Solid

Analysis Batch: 91170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 91109

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.09075 mg/Kg 91 70 - 130 35 Toluene 0.100 0.08627 mg/Kg 86 70 - 130 35 Ethylbenzene 0.100 0.08500 mg/Kg 85 70 - 130 6 35 0.200 0.1807 90 m-Xylene & p-Xylene mg/Kg 70 - 130 35 0.100 0.09124 70 - 130 o-Xylene mg/Kg 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1.4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-48607-1 MS

Matrix: Solid

Analysis Batch: 91170

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

Prep Type: Total/NA

Prep Batch: 91109

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.101	0.07491		mg/Kg		74	70 - 130	
Toluene	<0.00202	U	0.101	0.07105		mg/Kg		70	70 - 130	

QC Sample Results

Client: Carmona Resources Job ID: 880-48607-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New mexico

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

Lab Sample ID: 880-48607-1 MS **Matrix: Solid**

Analysis Batch: 91170

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

Prep Type: Total/NA

Prep Batch: 91109

•	Sample	Spike	MS	MS				%Rec
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
<0.00202	U F1	0.101	0.06748	F1	mg/Kg		67	70 - 130
<0.00404	U	0.202	0.1418		mg/Kg		70	70 - 130
<0.00202	U	0.101	0.07241		mg/Kg		72	70 - 130
	<0.00202 <0.00404	<0.00202 U F1 <0.00404 U	<0.00202 U F1 0.101 <0.00404 U 0.202	<0.00202 U F1 0.101 0.06748 <0.00404 U 0.202 0.1418	<0.00202 U F1 0.101 0.06748 F1 <0.00404 U 0.202 0.1418	<0.00202 U F1 0.101 0.06748 F1 mg/Kg <0.00404 U 0.202 0.1418 mg/Kg	<0.00202 U F1 0.101 0.06748 F1 mg/Kg <0.00404 U 0.202 0.1418 mg/Kg	<0.00202

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Prep Type: Total/NA

Analysis Batch: 91170

Matrix: Solid

Lab Sample ID: 880-48607-1 MSD

Prep Batch: 91109

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08459		mg/Kg		85	70 - 130	12	35
Toluene	<0.00202	U	0.0998	0.07978		mg/Kg		80	70 - 130	12	35
Ethylbenzene	<0.00202	U F1	0.0998	0.07542		mg/Kg		76	70 - 130	11	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1583		mg/Kg		79	70 - 130	11	35
o-Xylene	<0.00202	U	0.0998	0.08010		mg/Kg		80	70 - 130	10	35

MSD MSD

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: MB 880-91176/5-A

Matrix: Solid

Analysis Batch: 91170

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

Prep Batch: 91176

Result Qualifier MDL Unit Prepared Analyzed Dil Fac Analyte RL Benzene <0.00200 U 0.00200 mg/Kg 09/19/24 08:37 09/19/24 11:31 Toluene <0.00200 U 0.00200 mg/Kg 09/19/24 08:37 09/19/24 11:31 Ethylbenzene <0.00200 U 0.00200 mg/Kg 09/19/24 08:37 09/19/24 11:31 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 09/19/24 08:37 09/19/24 11:31 0.00200 09/19/24 08:37 09/19/24 11:31 o-Xylene <0.00200 U mg/Kg <0.00400 U 0.00400 09/19/24 08:37 09/19/24 11:31 Xylenes, Total mg/Kg

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/19/24 08:37	09/19/24 11:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/19/24 08:37	09/19/24 11:31	1

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

Lab Sample ID: MB 880-91408/1-A

Matrix: Solid

Analysis Batch: 91414

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

Prep Batch: 91408

мв мв Result Qualifier MDL Unit Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 09/21/24 17:25 09/22/24 07:13 mg/Kg (GRO)-C6-C10

QC Sample Results

Client: Carmona Resources Job ID: 880-48607-1 SDG: Eddy County, New mexico Project/Site: El Presidente 3 5 6 10

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

Lab Sample ID: MB 880-91408/1-A **Matrix: Solid**

Analysis Batch: 91414

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

Prep Batch: 91408

ı										
	Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	m	ıg/Kg	_	09/21/24 17:25	09/22/24 07:13	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0	m	ıg/Kg		09/21/24 17:25	09/22/24 07:13	1
ı										

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	219	S1+	70 - 130	09/21/24 17:25	09/22/24 07:13	1
o-Terphenyl	214	S1+	70 - 130	09/21/24 17:25	09/22/24 07:13	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-91408/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 91414 Prep Batch: 91408

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 836.5 84 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 746.6 mg/Kg 75 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-91408/3-A

Matrix: Solid

Analysis Batch: 91414

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

Prep Batch: 91408

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	830.1		mg/Kg		83	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	731.0		mg/Kg		73	70 - 130	2	20	
C10-C28)										

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 108 70 - 130 o-Terphenyl 100 70 - 130

Lab Sample ID: 890-7107-A-22-D MS

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 91408

	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	1010	761.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over	<49.9	U	1010	872.9		mg/Kg		82	70 - 130

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	115		70 - 130

Job ID: 880-48607-1 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New mexico

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

Lab Sample ID: 890-7107-A-22-E MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 91414

Prep Batch: 91408 Sample Sample Spike MSD MSD RPD Result Qualifier Limit Analyte Added Result Qualifier %Rec Limits RPD Unit D Gasoline Range Organics <49.9 U 1010 737.7 mg/Kg 71 70 - 130 3 20 (GRO)-C6-C10 1010 827.8 78 70 - 130 Diesel Range Organics (Over <49.9 U mg/Kg 5 20

C10-C28)

MSD MSD Qualifier Limits Surrogate %Recovery 1-Chlorooctane 70 - 130 118 o-Terphenyl 112 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91101/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91149

MB MB

Result Qualifier MDL Analyte RL Unit Prepared Analyzed Dil Fac Chloride <5.00 5.00 09/19/24 08:59 mg/Kg

Lab Sample ID: LCS 880-91101/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 91149

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 250.1 100 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-91101/3-A

Matrix: Solid

Analysis Batch: 91149

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD Limits Limit Chloride 250 251.4 101 90 - 110 mg/Kg

Lab Sample ID: 880-48607-1 MS

Matrix: Solid

Analysis Batch: 91149

Sample Sample Spike MS MS %Rec Qualifier Added Qualifier Analyte Result Result Unit %Rec Limits Chloride 10400 4980 107 90 - 110 15780 mg/Kg

Lab Sample ID: 880-48607-1 MSD

Matrix: Solid

Analysis Batch: 91149											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	10400		4980	15780		mg/Kg		107	90 - 110	0	20

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Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

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

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

QC Association Summary

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

GC VOA

Prep Batch: 91109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Total/NA	Solid	5035	
880-48607-2	S-1 (1.5')	Total/NA	Solid	5035	
880-48607-3	S-1 (2')	Total/NA	Solid	5035	
880-48607-4	S-1 (3')	Total/NA	Solid	5035	
880-48607-5	S-1 (4')	Total/NA	Solid	5035	
880-48607-6	S-1 (5')	Total/NA	Solid	5035	
880-48607-7	S-1 (6')	Total/NA	Solid	5035	
880-48607-8	S-1 (7')	Total/NA	Solid	5035	
MB 880-91109/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91109/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91109/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48607-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-48607-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 91170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Total/NA	Solid	8021B	91109
880-48607-2	S-1 (1.5')	Total/NA	Solid	8021B	91109
880-48607-3	S-1 (2')	Total/NA	Solid	8021B	91109
880-48607-4	S-1 (3')	Total/NA	Solid	8021B	91109
880-48607-5	S-1 (4')	Total/NA	Solid	8021B	91109
880-48607-6	S-1 (5')	Total/NA	Solid	8021B	91109
880-48607-7	S-1 (6')	Total/NA	Solid	8021B	91109
880-48607-8	S-1 (7')	Total/NA	Solid	8021B	91109
MB 880-91109/5-A	Method Blank	Total/NA	Solid	8021B	91109
MB 880-91176/5-A	Method Blank	Total/NA	Solid	8021B	91176
LCS 880-91109/1-A	Lab Control Sample	Total/NA	Solid	8021B	91109
LCSD 880-91109/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91109
880-48607-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	91109
880-48607-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	91109

Prep Batch: 91176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91176/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 91325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-48607-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-48607-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-48607-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-48607-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-48607-6	S-1 (5')	Total/NA	Solid	Total BTEX	
880-48607-7	S-1 (6')	Total/NA	Solid	Total BTEX	
880-48607-8	S-1 (7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 91408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

GC Semi VOA (Continued)

Prep Batch: 91408 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-48607-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-48607-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-48607-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-48607-6	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-48607-7	S-1 (6')	Total/NA	Solid	8015NM Prep	
880-48607-8	S-1 (7')	Total/NA	Solid	8015NM Prep	
MB 880-91408/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91408/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7107-A-22-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7107-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 91414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Total/NA	Solid	8015B NM	91408
880-48607-2	S-1 (1.5')	Total/NA	Solid	8015B NM	91408
880-48607-3	S-1 (2')	Total/NA	Solid	8015B NM	91408
880-48607-4	S-1 (3')	Total/NA	Solid	8015B NM	91408
880-48607-5	S-1 (4')	Total/NA	Solid	8015B NM	91408
880-48607-6	S-1 (5')	Total/NA	Solid	8015B NM	91408
880-48607-7	S-1 (6')	Total/NA	Solid	8015B NM	91408
880-48607-8	S-1 (7')	Total/NA	Solid	8015B NM	91408
MB 880-91408/1-A	Method Blank	Total/NA	Solid	8015B NM	91408
LCS 880-91408/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91408
LCSD 880-91408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91408
890-7107-A-22-D MS	Matrix Spike	Total/NA	Solid	8015B NM	91408
890-7107-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91408

Analysis Batch: 91540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-48607-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-48607-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-48607-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-48607-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-48607-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-48607-6	S-1 (5')	Total/NA	Solid	8015 NM	
880-48607-7	S-1 (6')	Total/NA	Solid	8015 NM	
880-48607-8	S-1 (7')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 91101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-48607-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-48607-3	S-1 (2')	Soluble	Solid	DI Leach	
880-48607-4	S-1 (3')	Soluble	Solid	DI Leach	
880-48607-5	S-1 (4')	Soluble	Solid	DI Leach	
880-48607-6	S-1 (5')	Soluble	Solid	DI Leach	
880-48607-7	S-1 (6')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

HPLC/IC (Continued)

Leach Batch: 91101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-8	S-1 (7')	Soluble	Solid	DI Leach	
MB 880-91101/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91101/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91101/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48607-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-48607-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 91149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48607-1	S-1 (0-1')	Soluble	Solid	300.0	91101
880-48607-2	S-1 (1.5')	Soluble	Solid	300.0	91101
880-48607-3	S-1 (2')	Soluble	Solid	300.0	91101
880-48607-4	S-1 (3')	Soluble	Solid	300.0	91101
880-48607-5	S-1 (4')	Soluble	Solid	300.0	91101
880-48607-6	S-1 (5')	Soluble	Solid	300.0	91101
880-48607-7	S-1 (6')	Soluble	Solid	300.0	91101
880-48607-8	S-1 (7')	Soluble	Solid	300.0	91101
MB 880-91101/1-A	Method Blank	Soluble	Solid	300.0	91101
LCS 880-91101/2-A	Lab Control Sample	Soluble	Solid	300.0	91101
LCSD 880-91101/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91101
880-48607-1 MS	S-1 (0-1')	Soluble	Solid	300.0	91101
880-48607-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	91101

Lab Chronicle

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

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

Lab Sample ID: 880-48607-1

Matrix: Solid

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/19/24 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/19/24 22:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91149	09/19/24 09:19	CH	EET MID

Client Sample ID: S-1 (1.5')

Date Collected: 09/16/24 00:00

Lab Sample ID: 880-48607-2

Matrix: Solid

Date Received: 09/18/24 09:20

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 91109 Total/NA Prep 4.99 g 5 mL 09/18/24 13:24 MNR EET MID Total/NA 8021B 5 mL 09/19/24 22:51 **EET MID** Analysis 1 5 mL 91170 MNR Total/NA Total BTEX 91325 09/19/24 22:51 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91540 09/22/24 14:33 SM **EET MID** Total/NA 91408 09/21/24 17:25 Prep 8015NM Prep 10.08 g 10 mL TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 91414 09/22/24 14:33 SM **EET MID** Soluble 09/18/24 11:58 Leach DI Leach 5.04 g 50 mL 91101 SA EET MID Soluble Analysis 300.0 20 50 mL 50 mL 91149 09/19/24 09:39 СН **EET MID**

Client Sample ID: S-1 (2')

Date Collected: 09/16/24 00:00

Lab Sample ID: 880-48607-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/19/24 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/19/24 23:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 14:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91149	09/19/24 09:46	CH	EET MID

Client Sample ID: S-1 (3')

Date Collected: 09/16/24 00:00

Lab Sample ID: 880-48607-4

Matrix: Solid

Date Received: 09/18/24 09:20

Date Received: 09/18/24 09:20

	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	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/19/24 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/19/24 23:32	SM	EET MID

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Lab Chronicle

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New mexico

Client Sample ID: S-1 (3')

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20 Lab Sample ID: 880-48607-4

Matrix: Solid

Job ID: 880-48607-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			91540	09/22/24 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 15:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91149	09/19/24 09:53	CH	EET MID

Client Sample ID: S-1 (4') Lab Sample ID: 880-48607-5 Date Collected: 09/16/24 00:00 **Matrix: Solid**

Date Received: 09/18/24 09:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/19/24 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/19/24 23:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 15:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	91149	09/19/24 09:59	CH	EET MID

Client Sample ID: S-1 (5') Lab Sample ID: 880-48607-6 Date Collected: 09/16/24 00:00 **Matrix: Solid**

Date Received: 09/18/24 09:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/20/24 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/20/24 00:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 15:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 15:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91149	09/19/24 10:19	CH	EET MID

Lab Sample ID: 880-48607-7 Client Sample ID: S-1 (6') Date Collected: 09/16/24 00:00 **Matrix: Solid**

Date Received: 09/18/24 09:20

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/20/24 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/20/24 00:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 16:11	SM	EET MID

Lab Chronicle

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

Client Sample ID: S-1 (6')

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20 Lab Sample ID: 880-48607-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	91149	09/19/24 10:26	CH	EET MID

Client Sample ID: S-1 (7')

Lab Sample ID: 880-48607-8

Date Collected: 09/16/24 00:00 Matrix: Solid

Date Received: 09/18/24 09:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/20/24 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/20/24 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	91101	09/18/24 11:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91149	09/19/24 10:33	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48607-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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Method Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1 SDG: Eddy County, New mexico

w mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1 SDG: Eddy County, New mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48607-1	S-1 (0-1')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-2	S-1 (1.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-3	S-1 (2')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-4	S-1 (3')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-5	S-1 (4')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-6	S-1 (5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-7	S-1 (6')	Solid	09/16/24 00:00	09/18/24 09:20
880-48607-8	S-1 (7')	Solid	09/16/24 00:00	09/18/24 09:20

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Company Name Carmona Resources Company Name	ه ا		Clinton Merritt					ferent)	Ś	dy Swans	on Steege		Work Order	Comments	
Autority Autority	Ö		Carmona Reso	urces			Company I	Vame:	Ma	rathon Oi	Corporation				perfund
Proper Michael TX 79701	Į Š		310 W Wall St	Ste 500			Address:)66) Town at	d Country B	pyl	State of Project:		
Proper P	Ü		Midland, TX 79	701			City, State	ZIP:	Н	uston, TX	77024		Reporting:Level II Level III		
Project Name						Email	swansons	ste@mara	thonoil.c	mo					
Project Number Eddy County, New Mexico Die Date: 5 day Code		roject Name.	EIP	residente 3 5	6 10	Turr	Around				111	ANALYSIS R	EQUEST	Preserva	tive Codes
Project Location Eddy County, New Mexico Due Date: 5 day Samplers Name Conf. County, New Mexico Due Date: 5 day Samplers Name Conf. County, New Mexico Com Mexico Com Mexico Com Mexico Com Mexico Com Mexico Conf. County, New Location Factor: Conf. County, New Location Facto	<u> </u>	roject Number:		2524		✓ Routine	Rush		ores.					None: NO	DI Water: H ₂ O
SAMPLE RECEIPT Commonwell Control Cont	1 0	roitcoo I troior	7000	County Now	Movico	Due Date:	5,73							Co.	MeOH: Me
SAMPLE RECEIPT Lyamp Blank: Veel No. Wet loce: Veel No. Veel No. Wet loce: Veel No. Wet loce: Veel No. Wet loce: Veel No. Vee	L C	ampler's Name	Lady	CCM CCM	MEXICO	Due Date.	50			(0)				HCL: HC	HNO. HN
SAMPLE RECEIPT 19mm Blank: Yesk No. Wet loc: Control of Each Mode Met School Met S	<u> </u>	Vork Order		20221440	8				s	W+				H ₂ SO ₄ : H ₂	NaOH: Na
Received intact	ıσ	AMPLE RECEIL		Blank:	Yes No	Wet Ice:	(%)	2		-	0.0			H ₃ PO ₄ : HP	
Cooler Custody Seals: Yes No Not An Correction Factor: Correctio	_	eceived Intact:		No)	Thermometer ID		T.A.	41			е 30	,	pid	NaHSO4: NABIS	-
Sample Custody Seals: Yes Time Soil Water Graph # of Sample Custody Seals: # of Sample Custody Seals: <t< td=""><td></td><td>ooler Custody Seals</td><td>Yes</td><td>1</td><td>Correction Facto</td><td>Nr.</td><td>1</td><td>_</td><td></td><td>_</td><td>orid</td><td></td><td>РН</td><td>Na₂S₂O₃: NaSC</td><td></td></t<>		ooler Custody Seals	Yes	1	Correction Facto	Nr.	1	_		_	orid		РН	Na ₂ S ₂ O ₃ : NaSC	
Sample Identification Date Time Soil Water Comp Grab Comp # of Expension FP Page Count FP Page Count # of Expension Water Comp Comp Count # of Expension # of Expension <td>_</td> <td>ample Custody Seal</td> <td></td> <td></td> <td>Temperature Re</td> <td>ading:</td> <td>7</td> <td>9</td> <td>ra</td> <td></td> <td>СЫ</td> <td></td> <td></td> <td>Zn Acetate+Na(</td> <td>JH: Zn</td>	_	ample Custody Seal			Temperature Re	ading:	7	9	ra		СЫ			Zn Acetate+Na(JH: Zn
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Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48607-1 SDG Number: Eddy County, New mexico

List Source: Eurofins Midland

Login Number: 48607 List Number: 1

Creator: Vasquez, Julisa

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/23/2024 5:59:08 PM

JOB DESCRIPTION

El Presidente 3 5 6 10 Eddy County, New Mexico

JOB NUMBER

880-48605-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 9/23/2024 5:59:08 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 Laboratory Job ID: 880-48605-1 SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	16
Lab Chronicle	18
Certification Summary	20
Method Summary	21
Sample Summary	22
Chain of Custody	23
Receipt Checklists	24

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-48605-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

2

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 *1
 LCS/LCSD RPD exceeds control limits.

 F1
 MS and/or MSD recovery exceeds control limits.

 U
 Indicates the analyte was analyzed for but not detected.

GC Semi VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery excellent

6

Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Description

U

Indicates the analyte was analyzed for but not detected.

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Glossary

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

Listed under the "D" column to designate that the result is reported on a dry weight basis
 %R Percent Recovery
 CFL Contains Free Liquid
 CFU Colony Forming Unit
 CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-48605-1 Project: El Presidente 3 5 6 10

Job ID: 880-48605-1 Eurofins Midland

Job Narrative 880-48605-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 9/18/2024 9:20 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 -6.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-48605-1), H-2 (0-0.5') (880-48605-2), H-3 (0-0.5') (880-48605-3), H-4 (0-0.5') (880-48605-4), H-5 (0-0.5') (880-48605-5) and H-6 (0-0.5') (880-48605-6).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-91074 and analytical batch 880-91062 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.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-91074 and analytical batch 880-91062 recovered outside control limits for the following analytes: Ethylbenzene.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-91062 recovered under the lower control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. 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.

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-91408 and analytical batch 880-91414 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-48605-2), H-3 (0-0.5') (880-48605-3) and H-6 (0-0.5') (880-48605-6). Evidence of matrix interferences is not obvious.

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.

Eurofins Midland

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Job ID: 880-48605-1 Client: Carmona Resources SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

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

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/18/24 12:49	09/18/24 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/18/24 12:49	09/18/24 17:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/18/24 12:49	09/18/24 17:36	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00401 U 0.00401 mg/Kg 09/18/24 17:36

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 U 49.9 09/22/24 12:00 mg/Kg

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

Analyte		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Or	ganics	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 12:00	1
(GRO)-C6-C10										
Diesel Range Orga	nics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 12:00	1
C10-C28)										
Oil Range Organics	s (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 12:00	1
(GRO)-C6-C10 Diesel Range Orga C10-C28)	nics (Over	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 12:00	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	09/21/24 17:25	09/22/24 12:00	1
o-Terphenyl	123		70 - 130	09/21/24 17:25	09/22/24 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.04 Chloride 9.65 mg/Kg 09/19/24 14:46

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

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/18/24 12:49	09/18/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/18/24 12:49	09/18/24 17:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/18/24 12:49	09/18/24 17:57	1

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

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

Job ID: 880-48605-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-48605-2

Matrix: Solid

Date	Collected:	09/16/24 00:00	
Date	Received:	09/18/24 09:20	

Method: TAL SOP Total BTEX - Total BTEX Calculation											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/18/24 17:57	1		

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

Analyte	Result Qualifier	r RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<10.8 11	10.8	ma/Ka			00/22/24 12:10	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (G	C
Michiga. 344040 00 13D MW - Diesei Range Organics (DRO) (G	U)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 12:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 12:19	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 12:19	1
Curromata	0/ Dagguerne	Ouglifier	Limita				Duamanad	Anglyzad	Dil Eco

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	09/21/24 17:25	09/22/24 12:19	1
o-Terphenyl	141	S1+	70 - 130	09/21/24 17:25	09/22/24 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.59	4.98	mg/Kg			09/19/24 14:55	1

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

Lab Sample ID: 880-48605-3 Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Method: SW846 8021B - \	/olatile Organic (Compounds (GC)
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			,						
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
Toluene	<0.00202	U	0.00202	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
Ethylbenzene	<0.00202	U *1	0.00202	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
o-Xylene	<0.00202	U	0.00202	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
Xylenes, Total	<0.00403	U	0.00403	n	ng/Kg		09/18/24 12:49	09/18/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93	70 - 130	09/18/24 12:49	09/18/24 18:18	1
1,4-Difluorobenzene (Surr)	87	70 - 130	09/18/24 12:49	09/18/24 18:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Released to Imaging: 3/21/2025 1:56:27 PM

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00403	U	0.00403	ma/Ka			09/18/24 18:18	1	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/22/24 12:40	1

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

		(=:::=) (,					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		09/21/24 17:25	09/22/24 12:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		09/21/24 17:25	09/22/24 12:40	1
C10-C28)								

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Job ID: 880-48605-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Lab Sample ID: 880-48605-3

Client Sample ID: H-3 (0-0.5') Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				09/21/24 17:25	09/22/24 12:40	1
o-Terphenyl	153	S1+	70 - 130				09/21/24 17:25	09/22/24 12:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 9.66 4.97 09/19/24 15:04 mg/Kg

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

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-4

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/18/24 12:49	09/18/24 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/18/24 12:49	09/18/24 18:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/18/24 12:49	09/18/24 18:38	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/18/24 18:38	1

Method: SW846 8015 NM - Diesel Ra	nge Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/22/24 12:58	1
Mothod: SW946 9045P NM Diocol P	ango Orga	nice (DBO) (3C)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/21/24 17:25	09/22/24 12:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/21/24 17:25	09/22/24 12:58	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/21/24 17:25	09/22/24 12:58	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/21/24 17:25	09/22/24 12:58	1
o-Terphenyl	121		70 - 130				09/21/24 17:25	09/22/24 12:58	1

Method: EPA 300.0 - Anions, Ion C	hromatography - So	oluble					
Analyte	Result Qualifie	r RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.81	5.00	mg/Kg			09/19/24 15:13	1

Job ID: 880-48605-1 Client: Carmona Resources SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

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

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-5

Matrix: Solid

-	ı

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/18/24 12:49	09/18/24 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/18/24 12:49	09/18/24 18:59	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/18/24 12:49	09/18/24 18:59	1

09/18/24 12:49 09/18/24 18:59

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 09/18/24 18:59

wethod: 50046 6015 NW - Diesei Kang	e Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/22/24 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		09/21/24 17:25	09/22/24 13:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		09/21/24 17:25	09/22/24 13:36	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/21/24 17:25	09/22/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/21/24 17:25	09/22/24 13:36	1
o-Terphenyl	113		70 - 130	09/21/24 17:25	09/22/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 8.41 4.99 09/19/24 15:39 mg/Kg

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

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-6 **Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
Ethylbenzene	<0.00202	U *1	0.00202		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/18/24 12:49	09/18/24 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/18/24 12:49	09/18/24 19:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/18/24 12:49	09/18/24 19:20	1

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Client Sample ID: H-6 (0-0.5') Date Collected: 09/16/24 00:00

Job ID: 880-48605-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-48605-6

Matrix: Solid

Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/18/24 19:20	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	<49.8	U	49.8		mg/Kg			09/22/24 13:55	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	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 13:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 13:55	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				09/21/24 17:25	09/22/24 13:55	1
o-Terphenyl	150	S1+	70 - 130				09/21/24 17:25	09/22/24 13:55	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.51		5.03		mg/Kg			09/19/24 15:48	

Surrogate Summary

Client: Carmona Resources Job ID: 880-48605-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recove
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-48592-A-1-C MS	Matrix Spike	86	107	
80-48592-A-1-D MSD	Matrix Spike Duplicate	101	109	
80-48605-1	H-1 (0-0.5')	84	84	
80-48605-2	H-2 (0-0.5')	93	89	
80-48605-3	H-3 (0-0.5')	93	87	
80-48605-4	H-4 (0-0.5')	91	83	
80-48605-5	H-5 (0-0.5')	87	79	
80-48605-6	H-6 (0-0.5')	96	84	
.CS 880-91074/1-A	Lab Control Sample	97	115	
CSD 880-91074/2-A	Lab Control Sample Dup	88	91	
/IB 880-91074/5-A	Method Blank	75	98	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-48605-1	H-1 (0-0.5')	130	123	
380-48605-2	H-2 (0-0.5')	146 S1+	141 S1+	
380-48605-3	H-3 (0-0.5')	159 S1+	153 S1+	
380-48605-4	H-4 (0-0.5')	119	121	
380-48605-5	H-5 (0-0.5')	116	113	
380-48605-6	H-6 (0-0.5')	148 S1+	150 S1+	
390-7107-A-22-D MS	Matrix Spike	124	115	
390-7107-A-22-E MSD	Matrix Spike Duplicate	118	112	
_CS 880-91408/2-A	Lab Control Sample	109	103	
_CSD 880-91408/3-A	Lab Control Sample Dup	108	100	
MB 880-91408/1-A	Method Blank	219 S1+	214 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources Job ID: 880-48605-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91074/5-A

Lab Sample ID: LCS 880-91074/1-A

Matrix: Solid

Analysis Batch: 91062

Matrix: Solid Analysis Batch: 91062 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91074

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/18/24 09:48	09/18/24 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/18/24 09:48	09/18/24 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/18/24 09:48	09/18/24 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/18/24 09:48	09/18/24 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/18/24 09:48	09/18/24 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/18/24 09:48	09/18/24 11:34	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75	70 - 130	09/18/24 09:48	09/18/24 11:34	1
1,4-Difluorobenzene (Surr)	98	70 ₋ 130	09/18/24 09:48	09/18/24 11:34	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91074

Prep Type: Total/NA

Prep Batch: 91074

35

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08398		mg/Kg		84	70 - 130	
Toluene	0.100	0.09766		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130	
o-Xylene	0.100	0.09645		mg/Kg		96	70 - 130	
I and the second								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	115	70 - 130

Lab Sample ID: LCSD 880-91074/2-A **Client Sample ID: Lab Control Sample Dup**

0.100

Matrix: Solid

o-Xylene

Analysis Batch: 91062

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08045		mg/Kg		80	70 - 130	4	35	
Toluene	0.100	0.08809		mg/Kg		88	70 - 130	10	35	
Ethylbenzene	0.100	0.07596	*1	mg/Kg		76	70 - 130	36	35	
m-Xylene & p-Xylene	0.200	0.1457		mg/Kg		73	70 - 130	30	35	

0.07376

mg/Kg

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	88	70 - 130
1.4-Difluorobenzene (Surr)	91	70 - 130

Lab Sample ID: 880-48592-A-1-C MS

Matrix: Solid

Analysis Batch: 91062

Client	nt Sample I	D: Matr	ix Spike
	Dron	Tunor	Total/NA

70 - 130

Prep Batch: 91074

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00220	U	0.101	0.07250		mg/Kg		72	70 - 130	
Toluene	<0.00220	U F1	0.101	0.06732	F1	mg/Kg		67	70 - 130	

QC Sample Results

Client: Carmona Resources Job ID: 880-48605-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-48592-A-1-C MS

Lab Sample ID: 880-48592-A-1-D MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 91062

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91074

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00220	U *1 F1	0.101	0.06289	F1	mg/Kg		62	70 - 130	
m-Xylene & p-Xylene	<0.00440	U F1	0.202	0.1205	F1	mg/Kg		60	70 - 130	
o-Xylene	<0.00220	U F1	0.101	0.06012	F1	mg/Kg		60	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	86		70 - 130		
1,4-Difluorobenzene (Surr)	107		70 - 130		

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91074

Analysis Batch: 91062 Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.0998 Benzene <0.00220 U 0.07166 mg/Kg 72 70 - 130 35 0.0998 0.06824 F1 Toluene <0.00220 UF1 mg/Kg 68 70 - 130 35 70 Ethylbenzene <0.00220 U *1 F1 0.0998 0.06977 70 - 130 35 mg/Kg 10 0.200 70 - 130 35 m-Xylene & p-Xylene <0.00440 UF1 0.1336 F1 mg/Kg 67 10 0.0998 <0.00220 UF1 0.06634 F1 66 70 - 130 10 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-91408/1-A

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91408

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 07:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 07:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 07:13	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	219	S1+	70 - 130	09/21/24 17:25	09/22/24 07:13	1
o-Terphenyl	214	S1+	70 - 130	09/21/24 17:25	09/22/24 07:13	1

Lab Sample ID: LCS 880-91408/2-A

Matrix: Solid

Analysis Batch: 91414

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

Prep Batch: 91408

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	836.5		mg/Kg		84	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	746.6		mg/Kg		75	70 - 130
C10-C28)							

Job ID: 880-48605-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-91408/2-A

Matrix: Solid

Analysis Batch: 91414

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91408

Surrogate %Recovery Qualifier

Limits 1-Chlorooctane 109 70 - 130 o-Terphenyl 103 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91408

Lab Sample ID: LCSD 880-91408/3-A **Matrix: Solid** Analysis Batch: 91414

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 830.1 83 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 731.0 73 mg/Kg 70 - 1302 20

C10-C28)

LCSD LCSD

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-7107-A-22-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 91414

Prep Type: Total/NA

Prep Batch: 91408

Sample Sample Spike MS MS Analyte Result Qualifier hahhA Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 1010 761.3 mg/Kg 74 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 1010 872.9 mg/Kg 82 70 - 130

C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 124 70 - 130 o-Terphenyl 115

Lab Sample ID: 890-7107-A-22-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 91414

Prep Type: Total/NA

Prep Batch: 91408

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 1010 737.7 20 Gasoline Range Organics <49.9 mg/Kg 71 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 1010 827.8 mg/Kg 78 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	112		70 - 130

QC Sample Results

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10

Job ID: 880-48605-1 SDG: Eddy County, New Mexico

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

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91100/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 91148

Client Sample ID: Method Blank **Prep Type: Soluble**

MB MB MDL Unit Dil Fac Result Qualifier RL D Prepared Analyzed <5.00 U 5.00 mg/Kg 09/19/24 12:42

Lab Sample ID: LCS 880-91100/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 91148

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 237.7 mg/Kg 95 90 - 110

Lab Sample ID: LCSD 880-91100/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble Analysis Batch: 91148**

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 238.7 mg/Kg 90 - 110

Lab Sample ID: 880-48605-4 MS **Client Sample ID: H-4 (0-0.5') Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 91148

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 8.81 250 249.9 96 90 - 110 mg/Kg

Lab Sample ID: 880-48605-4 MSD

Matrix: Solid

Analysis Batch: 91148

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 8.81 250.0 mg/Kg 96 90 - 110 20

QC Association Summary

Client: Carmona Resources

Job ID: 880-48605-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 91062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	8021B	91074
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	8021B	91074
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	8021B	91074
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	8021B	91074
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	8021B	91074
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	8021B	91074
MB 880-91074/5-A	Method Blank	Total/NA	Solid	8021B	91074
LCS 880-91074/1-A	Lab Control Sample	Total/NA	Solid	8021B	91074
LCSD 880-91074/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	91074
880-48592-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	91074
880-48592-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	91074

Prep Batch: 91074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	5035	_
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-91074/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-91074/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-91074/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48592-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-48592-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 91157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 91408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-91408/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-91408/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-91408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7107-A-22-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7107-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Job ID: 880-48605-1 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 91414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	91408
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	91408
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	91408
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	91408
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	91408
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	91408
MB 880-91408/1-A	Method Blank	Total/NA	Solid	8015B NM	91408
LCS 880-91408/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	91408
LCSD 880-91408/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	91408
890-7107-A-22-D MS	Matrix Spike	Total/NA	Solid	8015B NM	91408
890-7107-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	91408

Analysis Batch: 91539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	_
880-48605-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-48605-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-48605-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-48605-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-48605-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 91100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-91100/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91100/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91100/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48605-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-48605-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 91148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48605-1	H-1 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-2	H-2 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-3	H-3 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-4	H-4 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-5	H-5 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-6	H-6 (0-0.5')	Soluble	Solid	300.0	91100
MB 880-91100/1-A	Method Blank	Soluble	Solid	300.0	91100
LCS 880-91100/2-A	Lab Control Sample	Soluble	Solid	300.0	91100
LCSD 880-91100/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91100
880-48605-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	91100
880-48605-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	91100

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10 **Client Sample ID: H-1 (0-0.5')**

Job ID: 880-48605-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-48605-1

Matrix: Solid

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			91539	09/22/24 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 12:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	91100	09/18/24 11:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91148	09/19/24 14:46	CH	EET MID

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

Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-2

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 91074 Total/NA 5.01 g 5 mL 09/18/24 12:49 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 91062 09/18/24 17:57 MNR Total/NA Total BTEX 91157 09/18/24 17:57 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 91539 09/22/24 12:19 SM **EET MID** Total/NA 91408 Prep 8015NM Prep 10.05 g 10 mL 09/21/24 17:25 TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 91414 09/22/24 12:19 SM **EET MID** Soluble 09/18/24 11:55 Leach DI Leach 5.02 g 50 mL 91100 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 91148 09/19/24 14:55 СН **EET MID**

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

Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 18:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 18:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			91539	09/22/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	91100	09/18/24 11:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91148	09/19/24 15:04	CH	EET MID

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

Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Lab Sample ID:	880-48605-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 18:38	SM	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 Job ID: 880-48605-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-48605-4

Matrix: Solid

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

	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			91539	09/22/24 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 12:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	91100	09/18/24 11:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91148	09/19/24 15:13	CH	EET MID

Client Sample ID: H-5 (0-0.5') Lab Sample ID: 880-48605-5 Date Collected: 09/16/24 00:00

Date Received: 09/18/24 09:20

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.02 g 5 mL 91074 09/18/24 12:49 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 91062 09/18/24 18:59 MNR **EET MID** 1 Total/NA Total BTEX **EET MID** Analysis 1 91157 09/18/24 18:59 SM Total/NA Analysis 8015 NM 91539 09/22/24 13:36 SM **EET MID** 1 Total/NA Prep 8015NM Prep 9.99 g 10 mL 91408 09/21/24 17:25 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 91414 09/22/24 13:36 SM **EET MID** Soluble Leach DI Leach 5.01 g 50 mL 91100 09/18/24 11:55 SA EET MID EET MID Soluble Analysis 300.0 1 50 mL 50 mL 91148 09/19/24 15:39 СН

Client Sample ID: H-6 (0-0.5') Lab Sample ID: 880-48605-6

Date Collected: 09/16/24 00:00 Date Received: 09/18/24 09:20

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			4.95 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 19:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			91539	09/22/24 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	91408	09/21/24 17:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	91414	09/22/24 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	91100	09/18/24 11:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	91148	09/19/24 15:48	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48605-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

3

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8

10

15

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12

Method Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48605-1 SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-48605-1 SDG: Eddy County, New Mexico

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48605-1	H-1 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48605-2	H-2 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48605-3	H-3 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48605-4	H-4 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48605-5	H-5 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20
880-48605-6	H-6 (0-0.5')	Solid	09/16/24 00:00	09/18/24 09:20

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880-48605 Chain of Custody

Carmona Resources Address:	Number Carmone Peacources Carmone Peacources	State Campora Resources Company Name State Company (State Campora Name Campora Resources Company (State Campora Name Campora Resources Campora Resources Company (State Campora Name Campora Resources Campora Name Campora Resources Ca	Project Manager:	Clinton Merritt			Bill to: (if different)		Cody Swa	Cody Swanson Steege		Work	Work Order Comments	mments
ane: Signature Control Contro	Single of Project Control	210 Middlerd TX 79711 Enable Section Mid	Company Money	Common Dogona			Nomeon Nome		Marathon	oritomorphic life	g	Program: UST/PST PRP		PRC
Si Di W Wall St St St St Order St St St Order St St St St Order St St St Order St St St St Order	STORY Wall ST SEC SOLUTION STORY Midland, TX 78701 Energia Section Convected to Fig. Story Wall ST SEC Section Convected to Fig. Story Story	The control of the	Company Name.	240 MANAL II CA CA FOO					Halaulon Halaulon	The Colonia		;		
Sample Identification Date Time Soil Water Coop Control Cont	Name	Empression Emp	Address.	STO W Wall St Ste SOU			Address.		IMO I DES	alid Coulity	DAIG		I PST/IIS	PRRP
Fig. 2524 Code Co	Final Facility Control of the Carmona measure second control of the	Name	City, State ZIP:	Midland, TX 79701			City, State ZIP:		Houston,	X 77024				
El Presidente 3 5 6 10	Eldy County, New Mexico Due Date: 5 day Content Mothring cmontring content to Mite Carmona meaning and mark to Mite County (0-0.5) 9/16/2024 X County (Eddy County, New Mexico Die Date; 5 day Control of the County, New Mexico Control of the County Control of the Cou	hone:			Email.	swansonste(a	marathon	il.com			Deliverables: EDD	ADaPIL	
Eddy County, New Mexico Due Date: 5 day Code	EIPT Eddy County, New Mexico Due Date; 5 day Commity Committee C	Ecloy County, New Mexico Due Date: S clay Cook Cook	Project Name:	El Presidente 3 :	5610	Turn	Around				ANALYSIS	REQUEST		Preservative Cod
Eddy County, New Mexico Due Date: 5 day Eddy County, New Mexico Due Date: 5 day Eddy County, New Mexico CCM CCM CCM CCM CCM COTT COT	COM	Eddy County, New Mexico Due Date. S day SECONTAIN Secondary Second	Project Number:	2524		✓ Routine	Rush	Pres. Code					ž	
CCM	CCM	CEDT CCM COM Control Companies	Project Location	Eddy County, New	w Mexico	Due Date:	5 day						<u>ŏ</u>	
CEIPT Temp Blank: Yes No Wet Ice: Yes No Wet Ice: Yes No N/A Thermometer ID: Correction Factor: Corrected Temperature Reading: Corrected Temperature: Corp Cont C	Seals: Yes No WA Correction Factor: Time Soil Water Corp. Soil Water Co	Temporal Burk Temporal Bur	Sampler's Name:	CCM					NROI				ĭ	
CEIPT Temp Blank: Yes No Wet Ice: Yes No Wet Ice: Yes No N/A Thermometer ID: Correction Factor: Correction Factor: Corrected Temperature Reading: Corrected Temperature Reading: Corrected Temperature Reading: Corrected Temperature: Corrected Temp	CEIPT Legyp Blank: Yes No Wet loe: Yes No Yes	Control of the Carmona measured by (Co.5) Sylicizota X X X X X X X X X	Nork Order	20221440	,			S1	N + (Ξ̈́.	
Yes No NA Thermometer ID:	Ves No N/A Correction Factor. Corrected Temperature Soil Water Cont Co	Ves No V	SAMPLE RECE		Yes No	Wet Ice:	ON Sax	nete	-				Í.	3PO4: HP
Seals: Yes No N/A Temperature Reading: Corrected Temperature:	Seals: Yes No NA	Seals Yes No NA Correction Factor Time Soil Water Comp Cont Contest Temperature Contest Temperature Corrected Temperature Contest Temperature Cont	Received Intact:		Themometer ID):	155	aran	-	-				aHSO₄: NABIS
Seals: Yes No N/A Temperature Reading: — (e . (g . (g . g . g)) m & go	Seals: Yes No Nisk Temperature Reading: — (C C C C C C C C C	Seals: Yes No NIA Temperature Feading Feating Featin	Cooler Custody Sea	Yes No	Correction Factor	or:	61 -	;d		-				la ₂ S ₂ O ₃ : NaSO ₃
Identification Date Time Soil Water Grab/ (Cont) # of Cont # of Cont # of Early (Cont) # of Early (Con	Corrected Temperature:	Conscised Temperature	Sample Custody Se	Yes No	/ Temperature Re	sading:	0).0)-			_			Z	n Acetate+NaOH: Zn
Date Time Soil Water Grab/ # of Pt	Gab	Graph # of Comp Cont X X X X X X X X X	Fotal Containers:		Corrected Temp	perature:	9-		1081				ž	aOH+Ascorbic Acid: SAI
9/16/2024 X G 1 X X	H-1 (0-0.5) 9/16/2024	G	Sample Ide		Time	Soil		-	1dT					Sample Commen
9/16/2024 X G 1 X X	H-2 (0-0.5') 9/16/2024	G 1 X X X X X X X X X	H-1 (4	×	O	_	\vdash	-				
9/16/2024 X G 1 X X	H-3 (0-0.5) 9/16/2024	G 1 X X X X	H-2 ((4	×	O	-						
9/16/2024 X G 1 X X 9/16/2024 X G 1 X X 9/16/2024 X G 1 X X	H-4 (0-0.5) 9/16/2024 X G 1 X X X A X	G 1 X X X X	H-3 (t		4	×	Ø	-						
9/16/2024 X G 1 X X S S S 1 X X X X X X X X X X X X X	H-5 (0-0.5') 9/16/2024 X G 1 X X X X B C C C C C C C C C C C C C C C	G 1 X X X X G 1 A X X X X Conner Mochring cmochring@carmonaresources.com	H-4 ((4	×	Ø	-						
9/16/2024 X G 1 X X	He (0-0.5) 9/16/2024 X G 1 X	Conner Moehring carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com Date/Time Regeived by: (Signature) 9/18/24	H-5 (t		4	×	Ø	-		\vdash				
	Comments: Email results to Mike Carmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com	Conner Moehring carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com Date/Time Received by: (Signature) 9/18/24)) 9-H		4	×	O	-	-					
	Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com	Conner Moehring cmoehring@carmonaresources.com, Clint Merritt C@carmonaresources.com Date/Time Pare Received by: (Signature)												
	Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com	Sonner Moehring carmonaresources.com, Clint Merritt Carmonaresources.com Date/Time A / 1812 4												
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Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-48605-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland

Login Number: 48605 List Number: 1

Creator: Vasquez, Julisa

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/15/2024 4:09:56 PM

JOB DESCRIPTION

El Presidente 3 5 6 10 Eddy County, New Mexico

JOB NUMBER

880-49779-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 10/15/2024 4:09:56 PM

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

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Page 2 of 45

10/15/2024

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Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 Laboratory Job ID: 880-49779-1 SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	19
QC Sample Results	21
QC Association Summary	30
Lab Chronicle	35
Certification Summary	40
Method Summary	41
Sample Summary	42
Chain of Custody	43
Receipt Checklists	45

2

3

4

6

8

10

11

13

14

Definitions/Glossary

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	

Qualifier **Qualifier Description** U

Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
\$	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) EPA recommended "Maximum Contaminant Level"

MCL MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit MI 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 PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Job ID: 880-49779-1 Project: El Presidente 3 5 6 10

Job ID: 880-49779-1 Eurofins Midland

Job Narrative 880-49779-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 10/14/2024 3:50 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 -3.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (6.5') (880-49779-1), CS-2 (6.5') (880-49779-2), CS-3 (5.5') (880-49779-3), CS-4 (5.5') (880-49779-4), CS-5 (5.5') (880-49779-5), SW-1 (1') (880-49779-6), SW-2 (6.5') (880-49779-7), SW-3 (6.5') (880-49779-8), SW-4 (6.5') (880-49779-9), SW-5 (6.5') (880-49779-10), SW-6 (5.5') (880-49779-11), SW-7 (5.5') (880-49779-12), SW-8 (5.5') (880-49779-13), SW-9 (5.5') (880-49779-14) and SW-10 (5.5') (880-49779-15).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-2 (6.5') (880-49779-7), SW-3 (6.5') (880-49779-8), SW-4 (6.5') (880-49779-9), SW-5 (6.5') (880-49779-10), SW-6 (5.5') (880-49779-11) and SW-7 (5.5') (880-49779-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-93297/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-93297/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-5 (6.5') (880-49779-10), SW-6 (5.5') (880-49779-11) and SW-8 (5.5') (880-49779-13). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93296/2-A) and (LCSD 880-93296/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93296 and analytical batch 880-93347 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW-2 (6.5') (880-49779-7). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-93297 and analytical batch 880-93349 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-93297 and analytical batch

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Case Narrative

Client: Carmona Resources Job ID: 880-49779-1

Project: El Presidente 3 5 6 10

Job ID: 880-49779-1 (Continued)

Eurofins Midland

880-93349 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). Since only an acceptable LCS is required per the method, the data has been qualified and reported

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-93296 and analytical batch 880-93347 was outside the upper control limits.

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

HPLC/IC

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

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (6.5')

Lab Sample ID: 880-49779-1

Matrix: Solid

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	
Toluene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/15/24 08:26	10/15/24 11:46	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/15/24 08:26	10/15/24 11:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		70 - 130				10/15/24 08:26	10/15/24 11:46	
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 11:46	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/15/24 11:46	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.7	U	49.7		mg/Kg			10/15/24 13:21	
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	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U *+	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	105		70 - 130				10/15/24 07:48	10/15/24 13:21	
o-Terphenyl	102		70 - 130				10/15/24 07:48	10/15/24 13:21	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	•	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: CS-2 (6.5')

Date Collected: 10/10/24 00:00

Matrix: Solid

293

10.1

mg/Kg

Date Received: 10/14/24 15:50

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/15/24 08:26	10/15/24 12:06	1
1.4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 12:06	1

Eurofins Midland

10/15/24 11:05

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Client: Carmona Resources

Job ID: 880-49779-1 SDG: Eddy County, New Mexico

Project/Site: El Presidente 3 5 6 10

Client Sample ID: CS-2 (6.5')

Lab Sample ID: 880-49779-2

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/15/24 12:06	1
Method: SW846 8015 NM - Diese	I 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			10/15/24 13:36	1
Method: SW846 8015B NM - Dies	ol Pango Orga	nice (DBO)	(CC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/15/24 07:48	10/15/24 13:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U *+	49.8		mg/Kg		10/15/24 07:48	10/15/24 13:36	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/15/24 07:48	10/15/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/15/24 07:48	10/15/24 13:36	1
o-Terphenyl	92		70 - 130				10/15/24 07:48	10/15/24 13:36	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		10.1		mg/Kg			10/15/24 11:10	1

Client Sample ID: CS-3 (5.5')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-3

Matrix: Solid

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/15/24 08:26	10/15/24 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/15/24 08:26	10/15/24 12:27	1
	20		70 - 130				10/15/24 08:26	10/15/24 12:27	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte				MDL	Unit	D			
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	llo:4				
	- Total BTEX Cald	Qualifier	RL 0.00399	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/15/24 12:27	Dil Fac
Method: TAL SOP Total BTEX Analyte	4 - Total BTEX Calc Result <0.00399	Qualifier U	RL 0.00399	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U	RL 0.00399	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00399		mg/Kg	_ =	Prepared	Analyzed 10/15/24 12:27	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	esel Range Organ Result 49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 49.9		mg/Kg	_ =	Prepared	Analyzed 10/15/24 12:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	esel Range Organ Result 49.9 Diesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 49.9		mg/Kg Unit mg/Kg	_ =	Prepared	Analyzed 10/15/24 12:27 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	esel Range Organ Result 49.9 Diesel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00399 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 10/15/24 12:27 Analyzed 10/15/24 13:52	Dil Fac

Job ID: 880-49779-1

SDG: Eddy County, New Mexico

Project/Site: El Presidente 3 5 6 10

Date Received: 10/14/24 15:50

Client: Carmona Resources

Client Sample ID: CS-3 (5.5') Lab Sample ID: 880-49779-3 Date Collected: 10/10/24 00:00

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/15/24 07:48	10/15/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/15/24 07:48	10/15/24 13:52	1
o-Terphenyl	84		70 - 130				10/15/24 07:48	10/15/24 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result (Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	112		10.0	mg/Kg			10/15/24 11:15	1

Client Sample ID: CS-4 (5.5')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-4

Matrix: Solid

Date Received: 10/14/24 15:50

Method: SW846 8021B -	· Volatile Organic Compounds (G	C)

Wethou: Syvo46 6021B - Volat	ne Organic Comp	ounas (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/15/24 08:26	10/15/24 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 12:47	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99	70 - 130	10/15/24 08:26	10/15/24 12:47	1
1,4-Difluorobenzene (Surr)	101	70 - 130	10/15/24 08:26	10/15/24 12:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			10/15/24 12:47	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			10/15/24 14:07	1

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

			(/						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/15/24 07:48	10/15/24 14:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		10/15/24 07:48	10/15/24 14:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:48	10/15/24 14:07	1
Surrogata	% Bassyon,	Qualifier	Limito				Dronored	Analyzad	Dil Ess

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	10/15/24 07:48	10/15/24 14:07	1
o-Terphenyl	82		70 - 130	10/15/24 07:48	10/15/24 14:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.1		mg/Kg			10/15/24 11:31	1

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (5.5')

Lab Sample ID: 880-49779-5

. Matrix: Solid

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
Toluene	< 0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:26	10/15/24 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/15/24 08:26	10/15/24 13:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 13:08	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/15/24 13:08	1
					3' 3				
: Method: SW846 8015 NM - Diese	el Range Organ Result	ics (DRO) (GC)	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared	Analyzed 10/15/24 14:22	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9	ics (DRO) (Qualifier	GC) RL 49.9	MDL	Unit	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier	GC) RL 49.9		Unit	<u>D</u>	Prepared Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	GC) RL 49.9		Unit mg/Kg			10/15/24 14:22	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL		Unit mg/Kg		Prepared	10/15/24 14:22 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.9 sel Range Orga Result 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+	GC) RL 49.9 (GC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 10/15/24 07:48	10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 49.9 sel Range Orga Result 49.9 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+	GC) RL 49.9 (GC) RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/15/24 07:48 10/15/24 07:48	10/15/24 14:22 Analyzed 10/15/24 14:22 10/15/24 14:22	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result 49.9 sel Range Orga Result 49.9 49.9 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+	GC) RL 49.9 (GC) RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/15/24 07:48 10/15/24 07:48 10/15/24 07:48	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/15/24 07:48 10/15/24 07:48 10/15/24 07:48 Prepared	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery 91 87	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+ U Qualifier	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/15/24 07:48 10/15/24 07:48 10/15/24 07:48 Prepared 10/15/24 07:48	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ioranlyte	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery 91 87 a Chromatograp	ics (DRO) (Qualifier U nics (DRO) Qualifier U U *+ U Qualifier	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/15/24 07:48 10/15/24 07:48 10/15/24 07:48 Prepared 10/15/24 07:48	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Face 1 1 1 Dil Face

Client Sample ID: SW-1 (1')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-6

Matrix: Solid

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/15/24 08:26	10/15/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/15/24 08:26	10/15/24 13:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 13:28	1

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 Job ID: 880-49779-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-6

Matrix: Solid

Client Sample ID: SW-1 (1') Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

Method: TAL SOP Total BTEX - T	Otal BILA Gald	Julation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/15/24 13:28	1
- Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/15/24 14:37	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 14:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U *+	49.7		mg/Kg		10/15/24 07:48	10/15/24 14:37	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/15/24 07:48	10/15/24 14:37	1
o-Terphenyl	91		70 - 130				10/15/24 07:48	10/15/24 14:37	1
- Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.92		mg/Kg			10/15/24 11:53	

Client Sample ID: SW-2 (6.5') Lab Sample ID: 880-49779-7 Date Collected: 10/10/24 00:00 **Matrix: Solid**

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/15/24 08:28	10/15/24 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				10/15/24 08:28	10/15/24 11:44	1
, ,									
Method: TAL SOP Total BTEX -			70 - 130	MD		_	10/15/24 08:28	10/15/24 11:44	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Cald	Qualifier	70 - 130 RL 0.00403	MDL	Unit mg/Kg	<u>D</u>	10/15/24 08:28 Prepared	10/15/24 11:44 Analyzed 10/15/24 11:44	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result <0.00403	Qualifier U	RL 0.00403	MDL	Unit mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX -	Total BTEX Calc Result <0.00403 el Range Organ	Qualifier U	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese	Total BTEX Calc Result <0.00403 el Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 10/15/24 11:44	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Total BTEX Calc Result <0.00403 el Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.8		mg/Kg		Prepared	Analyzed 10/15/24 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Total BTEX Calc Result <0.00403 el Range Organ Result <49.8 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00403 GC) RL 49.8	MDL	mg/Kg		Prepared	Analyzed 10/15/24 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00403 el Range Organ Result <49.8 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00403 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/15/24 11:44 Analyzed 10/15/24 14:53	Dil Fac

Client: Carmona Resources

Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-7

Client Sample ID: SW-2 (6.5')

Matrix: Solid

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/15/24 07:48	10/15/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130				10/15/24 07:48	10/15/24 14:53	1
o-Terphenyl	162	S1+	70 - 130				10/15/24 07:48	10/15/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	198	10.1	mg/Kg			10/15/24 11:59	1		

Client Sample ID: SW-3 (6.5') Lab Sample ID: 880-49779-8 Date Collected: 10/10/24 00:00 **Matrix: Solid**

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:28	10/15/24 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				10/15/24 08:28	10/15/24 12:04	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/15/24 08:28	10/15/24 12:04	1

Method: TAL SOP Total BTEX - Tota	I BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/15/24 12:04	1
<u> </u>									

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/15/24 12:35	1
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U F2 F1	50.0		mg/Kg		10/15/24 07:51	10/15/24 12:35	1
(GRO)-C6-C10									

C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	10/15/24 07:51	10/15/24 12:35	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130		10/15/24 07:51	10/15/24 12:35	1
o-Terphenyl	84		70 - 130		10/15/24 07:51	10/15/24 12:35	1

50.0

mg/Kg

10/15/24 07:51

10/15/24 12:35

<50.0 U *+ F2 F1

Method: EPA 300.0 - Anions, Ion C	hromatography -	Soluble					
Analyte	Result Qual	ifier RL	MDL U	Init D	Prepared	Analyzed	Dil Fac
Chloride	187	9.94		ng/Kg		10/15/24 12:04	1

Eurofins Midland

Diesel Range Organics (Over

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (6.5')

Date Collected: 10/10/24 00:00
Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-9

Matrix: Solid

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/15/24 08:28	10/15/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				10/15/24 08:28	10/15/24 12:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/15/24 08:28	10/15/24 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Total BTEX - Total BTEX - Total BTEX Calculation

| Analyte Result Qualifier RL MDL Unit D Prepared Manalyzed Dil Fac
| MDL Unit D Prepared Manalyzed Dil Fac

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

 Analyte
 Result TPH
 Qualifier Qualifi

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 10/15/24 07:51 10/15/24 13:21 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U*+ 49.9 10/15/24 07:51 10/15/24 13:21 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 10/15/24 07:51 10/15/24 13:21 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 90 70 - 130 10/15/24 07:51 10/15/24 13:21 96 70 - 130 10/15/24 07:51 10/15/24 13:21 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride43610.0mg/Kg10/15/24 12:091

Client Sample ID: SW-5 (6.5')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-10

Matrix: Solid

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/15/24 08:28	10/15/24 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				10/15/24 08:28	10/15/24 12:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/15/24 08:28	10/15/24 12:45	1

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (6.5')

Date Collected: 10/10/24 00:00
Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00401	U	0.00401		mg/Kg			10/15/24 12:45	1

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

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <49.8</td>
 U
 49.8
 mg/Kg
 10/15/24 13:36
 1

Total TPH	<49.8	U	49.8	mg/Kg			10/15/24 13:36	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	<49.8	U	49.8	mg/Kg		10/15/24 07:51	10/15/24 13:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U *+	49.8	mg/Kg		10/15/24 07:51	10/15/24 13:36	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/15/24 07:51	10/15/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130			10/15/24 07:51	10/15/24 13:36	1
o-Terphenyl	72		70 - 130			10/15/24 07:51	10/15/24 13:36	1

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Factoride

 Chloride
 410
 10.1
 mg/Kg
 10/15/24 12:15

Client Sample ID: SW-6 (5.5')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-11

Matrix: Solid

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:28	10/15/24 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				10/15/24 08:28	10/15/24 13:06	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				10/15/24 08:28	10/15/24 13:06	·
1,4-Difluorobenzene (Surr)	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	10/15/24 08:28 Prepared	10/15/24 13:06 Analyzed 10/15/24 13:06	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result < 0.00398 sel Range Organ	Qualifier U	RL 0.00398	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result < 0.00398 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL		mg/Kg		Prepared	Analyzed 10/15/24 13:06	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg		Prepared	Analyzed 10/15/24 13:06 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared	Analyzed 10/15/24 13:06 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/15/24 13:06 Analyzed 10/15/24 13:52	Dil Fac

Job ID: 880-49779-1

Client: Carmona Resources SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

Client Sample ID: SW-6 (5.5')

Lab Sample ID: 880-49779-11 Date Collected: 10/10/24 00:00 **Matrix: Solid**

Date Received: 10/14/24 15:50

Method: SW846 8015B NM - Dies	sel Range Orga	ıed)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				10/15/24 07:51	10/15/24 13:52	1
o-Terphenyl	75		70 - 130				10/15/24 07:51	10/15/24 13:52	1
_									

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifi	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	175	10.0	mg/Kg			10/15/24 12:20	1

Client Sample ID: SW-7 (5.5')

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Lab Sample ID:	880-49779-12
	Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte MDL Unit Prepared Analyzed Benzene <0.00198 U 0.00198 10/15/24 08:28 10/15/24 13:26 mg/Kg Toluene <0.00198 U 0.00198 10/15/24 08:28 10/15/24 13:26 mg/Kg Ethylbenzene <0.00198 U 0.00198 mg/Kg 10/15/24 08:28 10/15/24 13:26 m-Xylene & p-Xylene <0.00396 U 0.00396 10/15/24 08:28 10/15/24 13:26 mg/Kg o-Xylene <0.00198 U 0.00198 mg/Kg 10/15/24 08:28 10/15/24 13:26

Xylenes, Total	<0.00396	U	0.00396	mg/Kg	10/15/24 08:28	10/15/24 13:26	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130		10/15/24 08:28	10/15/24 13:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130		10/15/24 08:28	10/15/24 13:26	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calculation	on					
Analyte	Result Quali	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396 U	0.00396	ma/Ka			10/15/24 13:26	1

Method: SW846 8015 NM - Diesel Ra	inge Organi	ics (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	r	mg/Kg			10/15/24 14:07	1

Iotal IFII	\43.0	U	49.0		mg/kg			10/13/24 14.07	'
— 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	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:07	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				10/15/24 07:51	10/15/24 14:07	1
o-Terphenyl	76		70 - 130				10/15/24 07:51	10/15/24 14:07	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	409		10.1		mg/Kg			10/15/24 12:26	1

Eurofins Midland

Dil Fac

Job ID: 880-49779-1

Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-13 Client Sample ID: SW-8 (5.5')

Date Collected: 10/10/24 00:00 Matrix: Solid Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	
Toluene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/15/24 11:01	10/15/24 14:09	
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/15/24 11:01	10/15/24 14:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	77		70 - 130				10/15/24 11:01	10/15/24 14:09	
1,4-Difluorobenzene (Surr)	129		70 - 130				10/15/24 11:01	10/15/24 14:09	
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/15/24 14:09	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U							
		· ·	50.0		mg/Kg			10/15/24 14:22	
Method: SW846 8015B NM - Die	sel Range Orga				mg/Kg			10/15/24 14:22	
		nics (DRO)	(GC)	MDL		D	Prepared		
Analyte		nics (DRO) Qualifier		MDL	Unit	<u>D</u>	Prepared 10/15/24 07:51	10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics	Result	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	<u>.</u>	Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier	(GC)	MDL	Unit	<u>D</u>	<u>.</u>	Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	(GC) RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	10/15/24 07:51 10/15/24 07:51	Analyzed 10/15/24 14:22 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	(GC) RL 50.0	MDL	Unit mg/Kg	<u> </u>	10/15/24 07:51	Analyzed 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <50.0	Qualifier U Qualifier	(GC) RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	10/15/24 07:51 10/15/24 07:51	Analyzed 10/15/24 14:22 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <50.0 <50.0 <50.0	Qualifier U Qualifier	(GC) RL 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u> </u>	10/15/24 07:51 10/15/24 07:51 10/15/24 07:51	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U Qualifier	(GC) RL 50.0 50.0 50.0 Limits	MDL	Unit mg/Kg mg/Kg	<u> </u>	10/15/24 07:51 10/15/24 07:51 10/15/24 07:51 Prepared	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed	Dil Fa
	Result	Qualifier U U Qualifier S1-	(GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u> </u>	10/15/24 07:51 10/15/24 07:51 10/15/24 07:51 Prepared 10/15/24 07:51	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier S1-	(GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	10/15/24 07:51 10/15/24 07:51 10/15/24 07:51 Prepared 10/15/24 07:51	Analyzed 10/15/24 14:22 10/15/24 14:22 10/15/24 14:22 Analyzed 10/15/24 14:22	Dil Fa

Client Sample ID: SW-9 (5.5') Lab Sample ID: 880-49779-14 **Matrix: Solid**

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/15/24 08:24	10/15/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/15/24 08:24	10/15/24 12:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/15/24 08:24	10/15/24 12:37	1

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (5.5')

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-14

Matrix: Solid

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/15/24 12:37	1

Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/15/24 14:37	1

Method: SW846 8015B NM - Dies	sei Range Orga	INICS (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		10/15/24 07:51	10/15/24 14:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		10/15/24 07:51	10/15/24 14:37	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/15/24 07:51	10/15/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/15/24 07:51	10/15/24 14:37	1
o-Terphenyl	83		70 - 130				10/15/24 07:51	10/15/24 14:37	1

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.92		mg/Kg			10/15/24 12:43	1

Client Sample ID: SW-10 (5.5') Lab Sample ID: 880-49779-15 Date Collected: 10/10/24 00:00 **Matrix: Solid**

Date Received: 10/14/24 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/15/24 08:24	10/15/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Carrogate									
4-Bromofluorobenzene (Surr)			70 - 130				10/15/24 08:24	10/15/24 12:58	1
	99	culation	70 - 130 70 - 130				10/15/24 08:24 10/15/24 08:24	10/15/24 12:58 10/15/24 12:58	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	99 - Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00396 sel Range Organ	Qualifier U	70 - 130 RL 0.00396		mg/Kg		10/15/24 08:24 Prepared	10/15/24 12:58 Analyzed 10/15/24 12:58	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00396 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00396 GC) RL		mg/Kg	<u>D</u>	10/15/24 08:24	Analyzed Analyzed Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00396 sel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00396 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/15/24 12:58 Analyzed 10/15/24 12:58 Analyzed 10/15/24 14:53	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Cald Result <0.00396 sel Range Organ Result <49.8 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	70 - 130 RL 0.00396 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit		Prepared Prepared Prepared	Analyzed 10/15/24 12:58 Analyzed 10/15/24 12:58 Analyzed 10/15/24 14:53 Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00396 sel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	70 - 130 RL 0.00396 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 10/15/24 12:58 Analyzed 10/15/24 12:58 Analyzed 10/15/24 14:53	Dil Fac

Client Sample Results

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (5.5')

Lab Sample ID: 880-49779-15

Date Collected: 10/10/24 00:00 Matrix: Solid
Date Received: 10/14/24 15:50

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ied)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				10/15/24 07:51	10/15/24 14:53	1
o-Terphenyl	79		70 - 130				10/15/24 07:51	10/15/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	173	9.96	mg/Kg			10/15/24 12:49	1	

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13

Surrogate Summary

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-49711-A-1-C MS	Matrix Spike	105	102	· —— · —— · —— ·
0-49711-A-1-D MSD	Matrix Spike Duplicate	106	102	
)-49779-1	CS-1 (6.5')	102	99	
)-49779-1 MS	CS-1 (6.5')	107	101	
0-49779-1 MSD	CS-1 (6.5')	109	100	
0-49779-2	CS-2 (6.5')	98	99	
0-49779-3	CS-3 (5.5')	101	99	
0-49779-4	CS-4 (5.5')	99	101	
0-49779-5	CS-5 (5.5')	100	99	
0-49779-6	SW-1 (1')	103	99	
30-49779-7	SW-2 (6.5')	137 S1+	92	
0-49779-7 MS	SW-2 (6.5')	127	91	
)-49779-7 MSD	SW-2 (6.5')	127	92	
0-49779-8	SW-3 (6.5')	134 S1+	91	
0-49779-9	SW-4 (6.5')	136 S1+	91	
0-49779-10	SW-5 (6.5')	138 S1+	92	
0-49779-11	SW-6 (5.5')	137 S1+	90	
0-49779-12	SW-7 (5.5')	138 S1+	91	
0-49779-13	SW-8 (5.5')	77	129	
80-49779-14	SW-9 (5.5')	109	100	
0-49779-15	SW-10 (5.5')	113	99	
S 880-93185/1-A	Lab Control Sample	100	101	
CS 880-93310/1-A	Lab Control Sample	122	88	
CSD 880-93185/2-A	Lab Control Sample Dup	106	100	
CSD 880-93310/2-A	Lab Control Sample Dup	120	88	
B 880-93185/5-A	Method Blank	107	98	
B 880-93310/5-A	Method Blank	128	90	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB2	DFBZ2							
Lab Sample ID	Client Sample ID	(70-130)	(70-130)							
LCS 880-93309/1-A	Lab Control Sample	105	100							
LCSD 880-93309/2-A	Lab Control Sample Dup	106	100							
MB 880-93309/5-A	Method Blank	95	95							
Surrogate Legend										

Eurofins Midland

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Lim
		1001	OTPH1	
₋ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-49778-A-1-C MS	Matrix Spike	88	82	
880-49778-A-1-D MSD	Matrix Spike Duplicate	90	81	
880-49779-1	CS-1 (6.5')	105	102	
880-49779-2	CS-2 (6.5')	92	92	
380-49779-3	CS-3 (5.5')	87	84	
880-49779-4	CS-4 (5.5')	86	82	
80-49779-5	CS-5 (5.5')	91	87	
80-49779-6	SW-1 (1')	93	91	
80-49779-7	SW-2 (6.5')	168 S1+	162 S1+	
80-49779-8	SW-3 (6.5')	80	84	
30-49779-8 MS	SW-3 (6.5')	79	75	
80-49779-8 MSD	SW-3 (6.5')	84	78	
80-49779-9	SW-4 (6.5')	90	96	
30-49779-10	SW-5 (6.5')	67 S1-	72	
0-49779-11	SW-6 (5.5')	69 S1-	75	
30-49779-12	SW-7 (5.5')	71	76	
0-49779-13	SW-8 (5.5')	66 S1-	71	
80-49779-14	SW-9 (5.5')	76	83	
30-49779-15	SW-10 (5.5')	74	79	
CS 880-93296/2-A	Lab Control Sample	118	161 S1+	
CS 880-93297/2-A	Lab Control Sample	110	159 S1+	
CSD 880-93296/3-A	Lab Control Sample Dup	116	157 S1+	
CSD 880-93297/3-A	Lab Control Sample Dup	131 S1+	191 S1+	
B 880-93296/1-A	Method Blank	161 S1+	166 S1+	
IB 880-93297/1-A	Method Blank	97	108	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources Job ID: 880-49779-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93185/5-A

Lab Sample ID: LCS 880-93185/1-A

Matrix: Solid Analysis Batch: 93303 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93185

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/24 09:57	10/15/24 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/24 09:57	10/15/24 11:14	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/14/24 09.	57 10/15/24 11:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/14/24 09:	57 10/15/24 11:14	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93185

Prep Type: Total/NA

Prep Batch: 93185

35

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09282 mg/Kg 93 70 - 130 Toluene 0.100 0.08835 mg/Kg 88 70 - 130 0.100 0.08832 88 Ethylbenzene mg/Kg 70 - 130 0.200 0.1909 95 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.09601 70 - 130 o-Xylene mg/Kg 96

LCS LCS

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

Lab Sample ID: LCSD 880-93185/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Matrix: Solid

Analysis Batch: 93303

Analysis Batch: 93303

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09309		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.08903		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.08949		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130	1	35

0.09666

mg/Kg

0.100

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1.4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49711-A-1-C MS

Matrix: Solid

o-Xylene

Analysis Batch: 93303

Client	: Sample I	D: N	/latrix	Spike
	Pren	Tyr	e: Tot	al/NΔ

70 - 130

Prep Batch: 93185

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08766		mg/Kg		88	70 - 130	
Toluene	<0.00200	U	0.100	0.08217		mg/Kg		82	70 - 130	

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49711-A-1-C MS

Lab Sample ID: 880-49711-A-1-D MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93185

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.07860		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1675		mg/Kg		84	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08432		mg/Kg		84	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93185

Analysis Batch: 93303 Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 Benzene <0.00200 U 0.09108 mg/Kg 91 70 - 130 4 35 Toluene <0.00200 U 0.100 0.08496 85 35 mg/Kg 70 - 130 3 Ethylbenzene <0.00200 U 0.100 0.08225 mg/Kg 82 70 - 130 5 35 <0.00399 U 0.200 0.1756 88 70 - 130 35 m-Xylene & p-Xylene mg/Kg 5 0.100 <0.00200 U 0.08838 88 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: MB 880-93309/5-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93309

	IIID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	1

MB MB

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130	10/15/24 08:26	10/15/24 11:24	1
1,4-Difluorobenzene (Surr)	95	70 - 130	10/15/24 08:26	10/15/24 11:24	1

Lab Sample ID: LCS 880-93309/1-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93309

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09090		mg/Kg		91	70 - 130
Toluene	0.100	0.08993		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09799		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-93309/1-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Total/NA Analysis Batch: 93305 Prep Batch: 93309 LCS LCS

Spike Analyte Added Result Qualifier Unit %Rec Limits D o-Xylene 0.100 0.1009 101 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 105 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 100

Lab Sample ID: LCSD 880-93309/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 93305** Prep Batch: 93309

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.09637 mg/Kg 96 70 - 130 6 35 Toluene 0.100 0.09444 mg/Kg 94 70 - 130 5 35 Ethylbenzene 0.100 0.1033 mg/Kg 103 70 - 130 5 35 35 m-Xylene & p-Xylene 0.200 0.1905 mg/Kg 95 70 - 130 0.100 0.1054 105 70 - 130 o-Xylene mg/Kg

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130 1,4-Difluorobenzene (Surr) 100 70 - 130

Lab Sample ID: 880-49779-1 MS Client Sample ID: CS-1 (6.5')

Matrix: Solid Prep Type: Total/NA Analysis Batch: 93305 Prep Batch: 93309 Sample Sample Child Me Me % Pac

	Sample	Sample	Spike	IVIO	IVIO				70Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.09367		mg/Kg		94	70 - 130	
Toluene	<0.00202	U	0.100	0.09222		mg/Kg		92	70 - 130	
Ethylbenzene	<0.00202	U	0.100	0.1003		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1861		mg/Kg		93	70 - 130	
o-Xylene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130	
o-xylene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 107 70 - 130 1,4-Difluorobenzene (Surr) 101

Lab Sample ID: 880-49779-1 MSD Client Sample ID: CS-1 (6.5')

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 93305** Prep Batch: 93309

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.09000		mg/Kg		90	70 - 130	4	35
Toluene	<0.00202	U	0.100	0.08836		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.09618		mg/Kg		96	70 - 130	4	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1793		mg/Kg		90	70 - 130	4	35
o-Xylene	<0.00202	U	0.100	0.09794		mg/Kg		98	70 - 130	4	35

Client: Carmona Resources Job ID: 880-49779-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

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

Lab Sample ID: 880-49779-1 MSD

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: CS-1 (6.5')

Prep Type: Total/NA

Prep Batch: 93309

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 109 70 - 130 1,4-Difluorobenzene (Surr) 100 70 - 130

Lab Sample ID: MB 880-93310/5-A

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93310

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/24 08:28	10/15/24 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	10/15/24 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/24 08:28	10/15/24 11:22	1

MB MB

Surrogate	%Recovery (Qualifier	Limits	Pre	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	10/15/	/24 08:28	10/15/24 11:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/15/	/24 08:28	10/15/24 11:22	1

Lab Sample ID: LCS 880-93310/1-A

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93310

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1216		mg/Kg		122	70 - 130	
Toluene	0.100	0.1150		mg/Kg		115	70 - 130	
Ethylbenzene	0.100	0.1167		mg/Kg		117	70 - 130	
m-Xylene & p-Xylene	0.200	0.2272		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1154		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	122	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: LCSD 880-93310/2-A

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: Lab Control Sample Dup

Prep Batch: 93310

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1181		mg/Kg		118	70 - 130	3	35	
Toluene	0.100	0.1123		mg/Kg		112	70 - 130	2	35	
Ethylbenzene	0.100	0.1145		mg/Kg		115	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2225		mg/Kg		111	70 - 130	2	35	
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	2	35	

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 120 70 - 130

Eurofins Midland

Released to Imaging: 3/21/2025 1:56:27 PM

Prep Type: Total/NA

Client: Carmona Resources Job ID: 880-49779-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

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

Lab Sample ID: LCSD 880-93310/2-A

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93310

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1,4-Difluorobenzene (Surr) 88 70 - 130

Lab Sample ID: 880-49779-7 MS

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: SW-2 (6.5')

Prep Type: Total/NA

Prep Batch: 93310

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.1138	-	mg/Kg		114	70 - 130	
Toluene	<0.00202	U	0.100	0.1051		mg/Kg		105	70 - 130	
Ethylbenzene	<0.00202	U	0.100	0.1050		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2027		mg/Kg		101	70 - 130	
o-Xylene	<0.00202	U	0.100	0.1048		mg/Kg		105	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	127	70 - 130
1.4-Difluorobenzene (Surr)	91	70 - 130

Lab Sample ID: 880-49779-7 MSD Client Sample ID: SW-2 (6.5')

Matrix: Solid

Analysis Batch: 93304

Prep Type: Total/NA

Prep Batch: 93310

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.1165		mg/Kg		116	70 - 130	2	35
Toluene	<0.00202	U	0.100	0.1070		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.100	0.1075		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2068		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00202	U	0.100	0.1072		mg/Kg		107	70 - 130	2	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	127	70 - 130
1,4-Difluorobenzene (Surr)	92	70 - 130

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

Lab Sample ID: MB 880-93296/1-A

Matrix: Solid

Analysis Batch: 93347

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

Prep Batch: 93296

ı		MB	MR							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130	10/15/24 07:47	10/15/24 10:33	1
o-Terphenyl	166	S1+	70 - 130	10/15/24 07:47	10/15/24 10:33	1

Client: Carmona Resources Job ID: 880-49779-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

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

Lab Sample ID: LCS 880-93296/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 93347 Prep Batch: 93296 Chiles

	Бріке	LUS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1035		mg/Kg		104	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1325	*+	mg/Kg		133	70 - 130	
C10-C28)								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	161	S1+	70 - 130

Lab Sample ID: LCSD 880-93296/3-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 93347							Prep	Batch:	93296
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1089		mg/Kg		109	70 - 130	5	20
Diesel Range Organics (Over	1000	1303		mg/Kg		130	70 - 130	2	20

C10-C28)

	LOOD	LOOD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	157	S1+	70 - 130

LCSD LCSD

Lab Sample ID: 880-49778-A-1-C MS Client Sample ID: Matrix Spike **Matrix: Solid**

Prep Type: Total/NA **Analysis Batch: 93347** Prep Batch: 93296

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	998	789.0		mg/Kg		79	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	153	*+	998	848.1		mg/Kg		70	70 - 130	
040,000)										

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-49778-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 93347

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Analysis Batch: 93347									Prep	Batch:	93296
	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	809.0		mg/Kg		81	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	153	*+	998	893.8		mg/Kg		74	70 - 130	5	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 90

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Prep Type: Total/NA

Prep Type: Total/NA

Client: Carmona Resources

SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

Job ID: 880-49779-1

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

Lab Sample ID: 880-49778-A-1-D MSD

Lab Sample ID: MB 880-93297/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93296

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 81 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93297

Analysis Batch: 93349

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	10/15/24 07:50	10/15/24 10:33	1
o-Terphenyl	108		70 - 130	10/15/24 07:50	10/15/24 10:33	1

Client Sample ID: Lab Control Sample

Matrix: Solid

Lab Sample ID: LCS 880-93297/2-A

Analysis Batch: 93349

Prep Type: Total/NA

Prep Batch: 93297

	Spike	LCS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	967.3		mg/Kg		97	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1220		mg/Kg		122	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Ternhenyl	159	S1+	70 - 130

Lab Sample ID: LCSD 880-93297/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 93349

Prep Type: Total/NA

Prep Batch: 93297

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1065		mg/Kg		107	70 - 130	10	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1460	*+	mg/Kg		146	70 - 130	18	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	191	S1+	70 - 130

Job ID: 880-49779-1 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49779-8 MS Client Sample ID: SW-3 (6.5') **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 93349 Prep Batch: 93297

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<50.0	U F2 F1	994	573.4	F1	mg/Kg		58	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *+ F2	994	590.9	F1	mg/Kg		59	70 - 130
C10-C28)		F1							
	MS	MS							
Surrogate	%Recovery	Qualifier	l imits						

1-Chlorooctane 79 70 - 130 o-Terphenyl 75 70 - 130

Lab Sample ID: 880-49779-8 MSD Client Sample ID: SW-3 (6.5') Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 93349

Spike MSD MSD %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD**

Limit 994 Gasoline Range Organics <50.0 U F2 F1 791.1 F2 mg/Kg 80 70 - 130 32 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+ F2 994 800.7 F2 mg/Kg 81 70 - 130 30 20 C10-C28) F1 MSD MSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 84 70 - 130 78 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93299/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 93317

MB MB Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 10/15/24 09:44 mg/Kg

Lab Sample ID: LCS 880-93299/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 93317

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 229.0 92 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-93299/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid

Analysis Batch: 93317

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Chloride 250 229.8 mg/Kg 92 90 _ 110 20

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Prep Type: Soluble

RPD

Prep Batch: 93297

Job ID: 880-49779-1 Client: Carmona Resources Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-49779-3 MS Client Sample ID: CS-3 (5.5') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 93317

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 112 251 360.8 mg/Kg 99 90 - 110

Lab Sample ID: 880-49779-3 MSD Client Sample ID: CS-3 (5.5') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 93317

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Qualifier RPD Limit Analyte Result Unit D %Rec Limits Chloride 112 251 361.8 mg/Kg 100 90 - 110

Lab Sample ID: MB 880-93301/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 93323

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 10/15/24 10:00 mg/Kg

Lab Sample ID: LCS 880-93301/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 93323

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 250.5 100 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-93301/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 93323

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.3 mg/Kg 100 90 - 110 20

Lab Sample ID: 880-49783-A-20-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 93323

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 544 248 784 5 mg/Kg 90 - 110

Lab Sample ID: 880-49783-A-20-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 93323

MSD MSD %Rec RPD Sample Sample Spike Qualifier Added Analyte Result Result Qualifier Limits RPD Limit Unit D %Rec Chloride 544 248 785.5 mg/Kg 98 90 - 110 20

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Prep Type: Soluble

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 93185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-14	SW-9 (5.5')	Total/NA	Solid	5035	
880-49779-15	SW-10 (5.5')	Total/NA	Solid	5035	
MB 880-93185/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93185/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93185/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49711-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-49711-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-14	SW-9 (5.5')	Total/NA	Solid	8021B	93185
880-49779-15	SW-10 (5.5')	Total/NA	Solid	8021B	93185
MB 880-93185/5-A	Method Blank	Total/NA	Solid	8021B	93185
LCS 880-93185/1-A	Lab Control Sample	Total/NA	Solid	8021B	93185
LCSD 880-93185/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93185
880-49711-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	93185
880-49711-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93185

Analysis Batch: 93304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-7	SW-2 (6.5')	Total/NA	Solid	8021B	93310
880-49779-8	SW-3 (6.5')	Total/NA	Solid	8021B	93310
880-49779-9	SW-4 (6.5')	Total/NA	Solid	8021B	93310
880-49779-10	SW-5 (6.5')	Total/NA	Solid	8021B	93310
880-49779-11	SW-6 (5.5')	Total/NA	Solid	8021B	93310
880-49779-12	SW-7 (5.5')	Total/NA	Solid	8021B	93310
MB 880-93310/5-A	Method Blank	Total/NA	Solid	8021B	93310
LCS 880-93310/1-A	Lab Control Sample	Total/NA	Solid	8021B	93310
LCSD 880-93310/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93310
880-49779-7 MS	SW-2 (6.5')	Total/NA	Solid	8021B	93310
880-49779-7 MSD	SW-2 (6.5')	Total/NA	Solid	8021B	93310

Analysis Batch: 93305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Total/NA	Solid	8021B	93309
880-49779-2	CS-2 (6.5')	Total/NA	Solid	8021B	93309
880-49779-3	CS-3 (5.5')	Total/NA	Solid	8021B	93309
880-49779-4	CS-4 (5.5')	Total/NA	Solid	8021B	93309
880-49779-5	CS-5 (5.5')	Total/NA	Solid	8021B	93309
880-49779-6	SW-1 (1')	Total/NA	Solid	8021B	93309
880-49779-13	SW-8 (5.5')	Total/NA	Solid	8021B	93309
MB 880-93309/5-A	Method Blank	Total/NA	Solid	8021B	93309
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	8021B	93309
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93309
880-49779-1 MS	CS-1 (6.5')	Total/NA	Solid	8021B	93309
880-49779-1 MSD	CS-1 (6.5')	Total/NA	Solid	8021B	93309

Prep Batch: 93309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Total/NA	Solid	5035	
880-49779-2	CS-2 (6.5')	Total/NA	Solid	5035	

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Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 93309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-3	CS-3 (5.5')	Total/NA	Solid	5035	
880-49779-4	CS-4 (5.5')	Total/NA	Solid	5035	
880-49779-5	CS-5 (5.5')	Total/NA	Solid	5035	
880-49779-6	SW-1 (1')	Total/NA	Solid	5035	
880-49779-13	SW-8 (5.5')	Total/NA	Solid	5035	
MB 880-93309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49779-1 MS	CS-1 (6.5')	Total/NA	Solid	5035	
880-49779-1 MSD	CS-1 (6.5')	Total/NA	Solid	5035	

Prep Batch: 93310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-7	SW-2 (6.5')	Total/NA	Solid	5035	
880-49779-8	SW-3 (6.5')	Total/NA	Solid	5035	
880-49779-9	SW-4 (6.5')	Total/NA	Solid	5035	
880-49779-10	SW-5 (6.5')	Total/NA	Solid	5035	
880-49779-11	SW-6 (5.5')	Total/NA	Solid	5035	
880-49779-12	SW-7 (5.5')	Total/NA	Solid	5035	
MB 880-93310/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93310/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93310/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49779-7 MS	SW-2 (6.5')	Total/NA	Solid	5035	
880-49779-7 MSD	SW-2 (6.5')	Total/NA	Solid	5035	

Analysis Batch: 93368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-49779-1	CS-1 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-2	CS-2 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-3	CS-3 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-4	CS-4 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-5	CS-5 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-6	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-49779-7	SW-2 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-8	SW-3 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-9	SW-4 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-10	SW-5 (6.5')	Total/NA	Solid	Total BTEX	
880-49779-11	SW-6 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-12	SW-7 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-13	SW-8 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-14	SW-9 (5.5')	Total/NA	Solid	Total BTEX	
880-49779-15	SW-10 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-2	CS-2 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-3	CS-3 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-4	CS-4 (5.5')	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 93296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-5	CS-5 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-6	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-49779-7	SW-2 (6.5')	Total/NA	Solid	8015NM Prep	
MB 880-93296/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49778-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49778-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 93297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-8	SW-3 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-9	SW-4 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-10	SW-5 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-11	SW-6 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-12	SW-7 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-13	SW-8 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-14	SW-9 (5.5')	Total/NA	Solid	8015NM Prep	
880-49779-15	SW-10 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-93297/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93297/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93297/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49779-8 MS	SW-3 (6.5')	Total/NA	Solid	8015NM Prep	
880-49779-8 MSD	SW-3 (6.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Total/NA	Solid	8015B NM	93296
880-49779-2	CS-2 (6.5')	Total/NA	Solid	8015B NM	93296
880-49779-3	CS-3 (5.5')	Total/NA	Solid	8015B NM	93296
880-49779-4	CS-4 (5.5')	Total/NA	Solid	8015B NM	93296
880-49779-5	CS-5 (5.5')	Total/NA	Solid	8015B NM	93296
880-49779-6	SW-1 (1')	Total/NA	Solid	8015B NM	93296
880-49779-7	SW-2 (6.5')	Total/NA	Solid	8015B NM	93296
MB 880-93296/1-A	Method Blank	Total/NA	Solid	8015B NM	93296
LCS 880-93296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93296
LCSD 880-93296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93296
880-49778-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	93296
880-49778-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	93296

Analysis Batch: 93349

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-8	SW-3 (6.5')	Total/NA	Solid	8015B NM	93297
880-49779-9	SW-4 (6.5')	Total/NA	Solid	8015B NM	93297
880-49779-10	SW-5 (6.5')	Total/NA	Solid	8015B NM	93297
880-49779-11	SW-6 (5.5')	Total/NA	Solid	8015B NM	93297
880-49779-12	SW-7 (5.5')	Total/NA	Solid	8015B NM	93297
880-49779-13	SW-8 (5.5')	Total/NA	Solid	8015B NM	93297
880-49779-14	SW-9 (5.5')	Total/NA	Solid	8015B NM	93297
880-49779-15	SW-10 (5.5')	Total/NA	Solid	8015B NM	93297
MB 880-93297/1-A	Method Blank	Total/NA	Solid	8015B NM	93297

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Page 32 of 45

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 93349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-93297/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93297
LCSD 880-93297/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93297
880-49779-8 MS	SW-3 (6.5')	Total/NA	Solid	8015B NM	93297
880-49779-8 MSD	SW-3 (6.5')	Total/NA	Solid	8015B NM	93297

Analysis Batch: 93389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Total/NA	Solid	8015 NM	_
880-49779-2	CS-2 (6.5')	Total/NA	Solid	8015 NM	
880-49779-3	CS-3 (5.5')	Total/NA	Solid	8015 NM	
880-49779-4	CS-4 (5.5')	Total/NA	Solid	8015 NM	
880-49779-5	CS-5 (5.5')	Total/NA	Solid	8015 NM	
880-49779-6	SW-1 (1')	Total/NA	Solid	8015 NM	
880-49779-7	SW-2 (6.5')	Total/NA	Solid	8015 NM	
880-49779-8	SW-3 (6.5')	Total/NA	Solid	8015 NM	
880-49779-9	SW-4 (6.5')	Total/NA	Solid	8015 NM	
880-49779-10	SW-5 (6.5')	Total/NA	Solid	8015 NM	
880-49779-11	SW-6 (5.5')	Total/NA	Solid	8015 NM	
880-49779-12	SW-7 (5.5')	Total/NA	Solid	8015 NM	
880-49779-13	SW-8 (5.5')	Total/NA	Solid	8015 NM	
880-49779-14	SW-9 (5.5')	Total/NA	Solid	8015 NM	
880-49779-15	SW-10 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Soluble	Solid	DI Leach	
880-49779-2	CS-2 (6.5')	Soluble	Solid	DI Leach	
880-49779-3	CS-3 (5.5')	Soluble	Solid	DI Leach	
880-49779-4	CS-4 (5.5')	Soluble	Solid	DI Leach	
880-49779-5	CS-5 (5.5')	Soluble	Solid	DI Leach	
880-49779-6	SW-1 (1')	Soluble	Solid	DI Leach	
880-49779-7	SW-2 (6.5')	Soluble	Solid	DI Leach	
880-49779-8	SW-3 (6.5')	Soluble	Solid	DI Leach	
880-49779-9	SW-4 (6.5')	Soluble	Solid	DI Leach	
880-49779-10	SW-5 (6.5')	Soluble	Solid	DI Leach	
880-49779-11	SW-6 (5.5')	Soluble	Solid	DI Leach	
880-49779-12	SW-7 (5.5')	Soluble	Solid	DI Leach	
MB 880-93299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49779-3 MS	CS-3 (5.5')	Soluble	Solid	DI Leach	
880-49779-3 MSD	CS-3 (5.5')	Soluble	Solid	DI Leach	

Leach Batch: 93301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-13	SW-8 (5.5')	Soluble	Solid	DI Leach	
880-49779-14	SW-9 (5.5')	Soluble	Solid	DI Leach	
880-49779-15	SW-10 (5.5')	Soluble	Solid	DI Leach	
MB 880-93301/1-A	Method Blank	Soluble	Solid	DI Leach	

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 93301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-93301/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93301/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49783-A-20-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-49783-A-20-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-1	CS-1 (6.5')	Soluble	Solid	300.0	93299
880-49779-2	CS-2 (6.5')	Soluble	Solid	300.0	93299
880-49779-3	CS-3 (5.5')	Soluble	Solid	300.0	93299
880-49779-4	CS-4 (5.5')	Soluble	Solid	300.0	93299
880-49779-5	CS-5 (5.5')	Soluble	Solid	300.0	93299
880-49779-6	SW-1 (1')	Soluble	Solid	300.0	93299
880-49779-7	SW-2 (6.5')	Soluble	Solid	300.0	93299
880-49779-8	SW-3 (6.5')	Soluble	Solid	300.0	93299
880-49779-9	SW-4 (6.5')	Soluble	Solid	300.0	93299
880-49779-10	SW-5 (6.5')	Soluble	Solid	300.0	93299
880-49779-11	SW-6 (5.5')	Soluble	Solid	300.0	93299
880-49779-12	SW-7 (5.5')	Soluble	Solid	300.0	93299
MB 880-93299/1-A	Method Blank	Soluble	Solid	300.0	93299
LCS 880-93299/2-A	Lab Control Sample	Soluble	Solid	300.0	93299
LCSD 880-93299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93299
880-49779-3 MS	CS-3 (5.5')	Soluble	Solid	300.0	93299
880-49779-3 MSD	CS-3 (5.5')	Soluble	Solid	300.0	93299

Analysis Batch: 93323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-13	SW-8 (5.5')	Soluble	Solid	300.0	93301
880-49779-14	SW-9 (5.5')	Soluble	Solid	300.0	93301
880-49779-15	SW-10 (5.5')	Soluble	Solid	300.0	93301
MB 880-93301/1-A	Method Blank	Soluble	Solid	300.0	93301
LCS 880-93301/2-A	Lab Control Sample	Soluble	Solid	300.0	93301
LCSD 880-93301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93301
880-49783-A-20-C MS	Matrix Spike	Soluble	Solid	300.0	93301
880-49783-A-20-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93301

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-49779-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-1

Matrix: Solid

Client Sample ID: CS-1 (6.5') Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 11:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 11:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 13:21	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:05	CH	EET MID

Client Sample ID: CS-2 (6.5')

Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-2

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.02 g 5 mL 93309 10/15/24 08:26 MNR EET MID Total/NA 8021B Analysis 1 5 mL 5 mL 93305 10/15/24 12:06 MNR EET MID Total/NA Total BTEX 93368 10/15/24 12:06 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 93389 10/15/24 13:36 SM **EET MID** Total/NA 93296 Prep 8015NM Prep 10.04 g 10.00 mL 10/15/24 07:48 FΙ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 93347 10/15/24 13:36 TKC **EET MID** Soluble 10/15/24 08:01 Leach DI Leach 4.97 g 50 mL 93299 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 93317 10/15/24 11:10 СН **EET MID**

Client Sample ID: CS-3 (5.5')

Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 13:52	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:15	CH	EET MID

Client Sample ID: CS-4 (5.5')

Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

Sample ID: 880-49779-4

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			4.99 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:47	SM	EET MID

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-49779-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-4

Matrix: Solid

Client Sample ID: CS-4 (5.5')
Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

	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			93389	10/15/24 14:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 14:07	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:31	CH	EET MID

Client Sample ID: CS-5 (5.5')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-5

Matrix: Solid

Date Received: 10/14/24 15:50

	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	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 13:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 14:22	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:37	CH	EET MID

Client Sample ID: SW-1 (1')

Date Collected: 10/10/24 00:00

Lab Sample ID: 880-49779-6

Matrix: Solid

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 14:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:53	CH	EET MID

Client Sample ID: SW-2 (6.5')

Lab Sample ID: 880-49779-7

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:53	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10.00 mL 1 uL	93296 93347	10/15/24 07:48 10/15/24 14:53	EL TKC	EET MID EET MID

Eurofins Midland

Matrix: Solid

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Lab Chronicle

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (6.5')

Lab Sample ID: 880-49779-7

Matrix: Solid

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

	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	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 11:59	CH	EET MID

Client Sample ID: SW-3 (6.5') Lab Sample ID: 880-49779-8

Date Collected: 10/10/24 00:00 **Matrix: Solid**

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 12:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 12:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:04	CH	EET MID

Client Sample ID: SW-4 (6.5') Lab Sample ID: 880-49779-9

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

	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	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 13:21	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:09	CH	EET MID

Client Sample ID: SW-5 (6.5') Lab Sample ID: 880-49779-10

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 13:36	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93299	10/15/24 08:01	SA	EET MIC
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:15	CH	EET MID

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Matrix: Solid

Matrix: Solid

Released to Imaging: 3/21/2025 1:56:27 PM

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-49779-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-49779-11

Matrix: Solid

Client Sample ID: SW-6 (5.5') Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 13:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 13:52	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:20	CH	EET MID

Client Sample ID: SW-7 (5.5') Lab Sample ID: 880-49779-12 Date Collected: 10/10/24 00:00 Matrix: Solid

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93310	10/15/24 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93304	10/15/24 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 13:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 14:07	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:26	CH	EET MID

Client Sample ID: SW-8 (5.5') Lab Sample ID: 880-49779-13

Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93309	10/15/24 11:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 14:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 14:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93301	10/15/24 08:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93323	10/15/24 12:37	CH	EET MID

Client Sample ID: SW-9 (5.5') Lab Sample ID: 880-49779-14

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Г										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93185	10/15/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93303	10/15/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:37	SM	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Carmona Resources Job ID: 880-49779-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (5.5')

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-14

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 14:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93301	10/15/24 08:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93323	10/15/24 12:43	CH	EET MID

Client Sample ID: SW-10 (5.5') Lab Sample ID: 880-49779-15

Date Collected: 10/10/24 00:00

Date Received: 10/14/24 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93185	10/15/24 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93303	10/15/24 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			93389	10/15/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93297	10/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93349	10/15/24 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93301	10/15/24 08:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93323	10/15/24 12:49	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-49779-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
0 ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Job ID: 880-49779-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources

Project/Site: El Presidente 3 5 6 10

Job ID: 880-49779-1 SDG: Eddy County, New Mexico

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49779-1	CS-1 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-2	CS-2 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-3	CS-3 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-4	CS-4 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-5	CS-5 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-6	SW-1 (1')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-7	SW-2 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-8	SW-3 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-9	SW-4 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-10	SW-5 (6.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-11	SW-6 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-12	SW-7 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-13	SW-8 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-14	SW-9 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50
880-49779-15	SW-10 (5.5')	Solid	10/10/24 00:00	10/14/24 15:50

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Bill to (if effecting) Bill to (if effeting)	880-49779 Chain of Custody	Work Order Comments	Brownfields RC perfund		DST/UST ☐TRRP ☐Level IV ☐	ADaPT Other:	Preservative Codes	None: NO DI Water: H ₂ O	Cool: Cool MeOH: Me			H₃PO4: HP	NaHSO4: NABIS		Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments											onaresources.com	Date/Time	10/14/07 155
Signature Sign		Work	Program: UST/PST PRP	State of Project:	Reporting:Level II Level III ST/UST TRRP		NALYSIS REQUEST																					rces.com, Stephen Reyes sreyes@carmc	Received by: (Signature)	1
Signature Bill to: (r different) Bill to		Cody Swanson Steege	Marathon Oil Corporation	990 Town and Country Blvd	Houston, TX 77024	il.com	A			(ОЫ	W + (рва	+0	สอ () WS	1 801	нат	×	×	×	×	×	×	×	×	×	×××	g cmoehring@carmonaresou	Jate/Time	
September Sept		ill to: (if different)	Company Name:		State ZIP:	wansonste@marathono		4			SI	No	44		-8.7	-3.8	Grab/ Comp										Comp 1	.com, Conner Moehring		
2524 Inty, New Mexico JR 3221440 Inty, New Mexico JR 3221440 Interperature F Corrected Terr C		<u>a</u>) 	9	0	Email: S	Turn A	☐ Routine	Due Date:			Wet Ice:	D:	tor:	Reading:	perature:		×	×	×	×	×	×	×	×	×	×	аrmonaresources		
			Ş	310 W Wall St Ste 500			El Presidente 3 5 6 10	2524	1ty, New Mexico	JR	20221440		No Thermometer I		_	\square		10/10/2024	10/10/2024	10/10/2024	10/10/2024	10/10/2024	10/10/2024	/10/2024	/10/2024	10/2024	10/2024	птопа тсагтопа@с.	quished by: (Signature)	
الكالمالحدالمانيا المناجد المانيا والوالا الاستان المانيا والمانيا والمانيا والمانيا والمانيا والمانيا		Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location	Sampler's Name:	Work Order	SAMPLE RECEIPT	Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	CS-1 (6.5')	CS-2 (6.5')	CS-3 (5.5')	CS-4 (5.5')	CS-5 (5.5')	SW-1 (1')	SW-2 (6.5')	SW-3 (6.5')	SW-4 (6.5')	SW-5 (5.5')	Comments: Em≀		

Work Order No:

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Project Manager:	Stephen Reyes			Bill to: (if different)		Cody S	Cody Swanson Steege	teege	8	ork Order	Work Order Comments	
Company Name:	Carmona Resources			Company Name:	O	Maratho	Marathon Oil Corporation	poration	Program: UST/PST DRP Brownfields DRC	RP Bro	wnfields RC	Ipperfund
Address: 3	310 W Wall St Ste 500			Address:		990 Tov	m and Co	990 Town and Country Blvd	State of Project:			
City, State ZIP:	Midland, TX 79701			City, State ZIP:		Houstor	Houston, TX 77024	24	Reporting:Level III Level III ST/UST TRRP	vel III 📑 S	T/UST TRRP	Level IV
Phone:			Email:	Email: swansonste@marathonoil.com	marathon	oil.com			Deliverables: EDD		ADaPT Other:	
Project Name:	El Presidente 3 5 6 10		Tum	Turn Around				ANALYSI	ANALYSIS REQUEST		Preserva	Preservative Codes
Project Number:	2524		☐ Routine	✓ Rush	Pres. Code						None: NO	DI Water: H ₂ O
Project Location	Eddy County, New Mexico	00	Due Date:	24 hour							Cool: Cool	MeOH: Me
Sampler's Name:	JR						 (ОЫ			_	HCL: HC	HNO ₃ : HN
Work Order	20221440				SI		W + 0				H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	eten	81	ояа 0.00				H ₃ PO ₄ : HP	
Received Intact:	Yes No Then	Thermometer ID:			ıran	208	P 30			pjo		S
Cooler Custody Seals:	Yes No N/A	Correction Factor	Ľ		- 84	ΧΞJ	-			ЭН	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	ading:			18	_				Zn Acetate+NaOH: Zn	OH: Zn
Total Containers:		Corrected Temperature:	erature:			_	108			_	NaOH+Ascorbic Acid: SAPC	c Acid: SAPC
Sample Identification	ification Date	Time	Soil	Water Comp	b/ # of p Cont	·	H9T				Sample	Sample Comments
SW-6 (5.5')	.5') 10/10/2024		×	Comp	1	×	×					
SW-7 (5.5')	.5') 10/10/2024		×	Comp	np 1	×	×					
SW-8 (5.5')	.5') 10/10/2024		×	Comp	np 1	×	×					
SW-9 (5.5')	.5') 10/10/2024		×	Comp	np 1	×	×					
SW-10 (5.5')	5.5') 10/10/2024		×	Comp	np 1	×	×					
							H					
Comments: Email	Comments: Email results to Mike Carmona mcarmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Stephen Reyes sreyes@carmonaresources.com	топа@саг	monaresource	es.com, Conn	er Moehri	од сшоє	hring@	carmonaresources.co	m, Stephen Reyes sreyes@c	armonare	sources.com	
	Relinquished by: (Signature)	Signature)				Date/Time	ne	7,	Received by: (Signature)			Date/Time
											a	15C)
					_			7				

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-49779-1

SDG Number: Eddy County, New Mexico

Login Number: 49779 List Source: Eurofins Midland

List Number: 1 Creator: Vasquez, Julisa

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	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cody Swanson Steege Marathon Oil Company 990 Town and Country Blvd Houston, Texas 77024

Generated 10/15/2024 4:03:55 PM

JOB DESCRIPTION

El Presidente 3 5 6 10 Eddy County, New Mexico

JOB NUMBER

880-49778-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization

Generated 10/15/2024 4:03:55 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 1

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Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 Laboratory Job ID: 880-49778-1 SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

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3

6

8

10

12

13

Definitions/Glossary

Job ID: 880-49778-1 Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Marathon Oil Company Project: El Presidente 3 5 6 10 Job ID: 880-49778-1

Job ID: 880-49778-1 Eurofins Midland

Job Narrative 880-49778-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 10/14/2024 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.8°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (880-49778-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93296/2-A) and (LCSD 880-93296/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93296 and analytical batch 880-93347 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93296 and analytical batch 880-93347 was outside the upper control limits.

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

HPLC/IC

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

Eurofins Midland

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Client Sample Results

Client: Marathon Oil Company Job ID: 880-49778-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Released to Imaging: 3/21/2025 1:56:27 PM

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50

Lab Sample ID: 880-49778-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/15/24 08:26	10/15/24 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/15/24 08:26	10/15/24 13:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 13:49	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/15/24 13:49	1
Method: SW846 8015 NM - Diese									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	15.3		50.0		mg/Kg			10/15/24 12:35	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	<50.0	U	50.0		mg/Kg		10/15/24 07:48	10/15/24 12:35	1
Gasoline Range Organics	<50.0 15.3		50.0		mg/Kg		10/15/24 07:48	10/15/24 12:35	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		*+							1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	15.3	*+	50.0		mg/Kg		10/15/24 07:48	10/15/24 12:35	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	15.3 <50.0	*+ U	50.0 50.0		mg/Kg		10/15/24 07:48 10/15/24 07:48	10/15/24 12:35 10/15/24 12:35	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	15.3 <50.0 %Recovery	*+ U	50.0 50.0 <i>Limits</i>		mg/Kg		10/15/24 07:48 10/15/24 07:48 Prepared	10/15/24 12:35 10/15/24 12:35 <i>Analyzed</i>	1 1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	15.3 <50.0 **Recovery 91 94	*+ U Qualifier	50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg		10/15/24 07:48 10/15/24 07:48 Prepared 10/15/24 07:48	10/15/24 12:35 10/15/24 12:35 Analyzed 10/15/24 12:35	1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	15.3 <50.0	*+ U Qualifier	50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg		10/15/24 07:48 10/15/24 07:48 Prepared 10/15/24 07:48	10/15/24 12:35 10/15/24 12:35 Analyzed 10/15/24 12:35	1 1 1 1 Dil Fac

Surrogate Summary

Client: Marathon Oil Company

Job ID: 880-49778-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-49778-1	Backfill Sample	103	99	
880-49779-A-1-D MS	Matrix Spike	107	101	
880-49779-A-1-E MSD	Matrix Spike Duplicate	109	100	
Surrogate Legend				
BFB = 4-Bromofluorobei	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance Limits)
		BFB2	DFBZ2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-93309/1-A	Lab Control Sample	105	100	
LCSD 880-93309/2-A	Lab Control Sample Dup	106	100	
MB 880-93309/5-A	Method Blank	95	95	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluorober	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Reco
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-49778-1	Backfill Sample	91	94	
880-49778-1 MS	Backfill Sample	88	82	
880-49778-1 MSD	Backfill Sample	90	81	
LCS 880-93296/2-A	Lab Control Sample	118	161 S1+	
LCSD 880-93296/3-A	Lab Control Sample Dup	116	157 S1+	
MB 880-93296/1-A	Method Blank	161 S1+	166 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Marathon Oil Company Job ID: 880-49778-1 SDG: Eddy County, New Mexico Project/Site: El Presidente 3 5 6 10

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93309/5-A

Matrix: Solid Analysis Batch: 93305 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93309

1

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	•
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:26	10/15/24 11:24	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/24 08:26	10/15/24 11:24	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/15/24 08:20	6 10/15/24 11:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/15/24 08:20	6 10/15/24 11:24	1

Lab Sample ID: LCS 880-93309/1-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 93309

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09090 mg/Kg 91 70 - 130 Toluene 0.100 0.08993 mg/Kg 90 70 - 130 0.100 0.09799 Ethylbenzene mg/Kg 98 70 - 130 0.200 0.1827 91 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1009 70 - 130 o-Xylene mg/Kg 101

LCS LCS

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-93309/2-A

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93309

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09637		mg/Kg		96	70 - 130	6	35
Toluene	0.100	0.09444		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130	4	35
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130	4	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1.4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-49779-A-1-D MS

Matrix: Solid

Analysis Batch: 93305

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

Prep Batch: 93309

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.09367		mg/Kg	_	94	70 - 130	
Toluene	<0.00202	U	0.100	0.09222		mg/Kg		92	70 - 130	

Eurofins Midland

Page 8 of 19

QC Sample Results

Job ID: 880-49778-1 Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-49779-A-1-D MS

Lab Sample ID: 880-49779-A-1-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93309

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U	0.100	0.1003		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1861		mg/Kg		93	70 - 130	
o-Xylene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130	

MS MS

Surrogate	%Recovery Qualif	ier Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93309

RPD

Analysis Batch: 93305 Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 Benzene <0.00202 U 0.09000 mg/Kg 90 70 - 130 4 35 Toluene <0.00202 U 0.100 0.08836 mg/Kg 88 70 - 130 35 Ethylbenzene <0.00202 U 0.100 0.09618 mg/Kg 96 70 - 130 35 <0.00403 U 0.200 0.1793 70 - 130 35 m-Xylene & p-Xylene mg/Kg 90 0.100 <0.00202 U 0.09794 98 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-93296/1-A

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93296

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:47	10/15/24 10:33	1
C10-C28)		U			0 0				

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130	10/15/24 07:47	10/15/24 10:33	1
o-Terphenyl	166	S1+	70 - 130	10/15/24 07:47	10/15/24 10:33	1

Lab Sample ID: LCS 880-93296/2-A

Matrix: Solid

Analysis Batch: 93347

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

Prep Batch: 93296

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1035		mg/Kg		104	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1325	*+	mg/Kg		133	70 - 130	
C10-C28)								

Client: Marathon Oil Company Job ID: 880-49778-1 Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 93296

Prep Batch: 93296

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

Lab Sample ID: LCS 880-93296/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 93347

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenvl	161	S1+	70 ₋ 130

Lab Sample ID: LCSD 880-93296/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 93347							Prep	Batch:	93296
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1089		mg/Kg		109	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1303		mg/Kg		130	70 - 130	2	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 116 70 - 130 o-Terphenyl 157 S1+ 70 - 130

Client Sample ID: Backfill Sample Lab Sample ID: 880-49778-1 MS

Matrix: Solid

Analysis Batch: 93347

	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	789.0		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	15.3	*+	998	848.1		mg/Kg		70	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-49778-1 MSD Client Sample ID: Backfill Sample

Matrix: Solid

Analysis Batch: 93347									Prep	Batch:	93296
	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	809.0		mg/Kg		81	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	15.3	*+	998	893.8		mg/Kg		74	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	81		70 - 130

QC Sample Results

Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 Job ID: 880-49778-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

D

mg/Kg

%Rec

92

Prep Type: Soluble

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93299/1-A

Matrix: Solid

Analysis Batch: 93317

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 10/15/24 09:44

229.0

Lab Sample ID: LCS 880-93299/2-A

Matrix: Solid

Analysis Batch: 93317

Spike LCS LCS Added Analyte Result Qualifier Unit

Chloride

Lab Sample ID: LCSD 880-93299/3-A **Matrix: Solid**

Analysis Batch: 93317

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 229.8 mg/Kg 90 - 110

250

Lab Sample ID: 880-49779-A-3-C MS

Matrix: Solid

Analysis Batch: 93317

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits 360.8 Chloride 112 251 90 - 110 mg/Kg

Lab Sample ID: 880-49779-A-3-D MSD

Matrix: Solid

Analysis Batch: 93317

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 251 Chloride 112 361.8 mg/Kg 100 90 - 110 0 20

QC Association Summary

Client: Marathon Oil Company

Job ID: 880-49778-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 93305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Total/NA	Solid	8021B	93309
MB 880-93309/5-A	Method Blank	Total/NA	Solid	8021B	93309
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	8021B	93309
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93309
880-49779-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	93309
880-49779-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	93309

Prep Batch: 93309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-93309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49779-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-49779-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 93386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93296

Lab Sample ID 880-49778-1	Client Sample ID Backfill Sample	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-93296/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49778-1 MS	Backfill Sample	Total/NA	Solid	8015NM Prep	
880-49778-1 MSD	Backfill Sample	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Total/NA	Solid	8015B NM	93296
MB 880-93296/1-A	Method Blank	Total/NA	Solid	8015B NM	93296
LCS 880-93296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93296
LCSD 880-93296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93296
880-49778-1 MS	Backfill Sample	Total/NA	Solid	8015B NM	93296
880-49778-1 MSD	Backfill Sample	Total/NA	Solid	8015B NM	93296

Analysis Batch: 93390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93299

Released to Imaging: 3/21/2025 1:56:27 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-93299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

Page 12 of 19

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QC Association Summary

Client: Marathon Oil Company Job ID: 880-49778-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 93299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49779-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-49779-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 93317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	Soluble	Solid	300.0	93299
MB 880-93299/1-A	Method Blank	Soluble	Solid	300.0	93299
LCS 880-93299/2-A	Lab Control Sample	Soluble	Solid	300.0	93299
LCSD 880-93299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93299
880-49779-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	93299
880-49779-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	93299

Lab Chronicle

Client: Marathon Oil Company

Job ID: 880-49778-1

Project/Site: El Presidente 3 5 6 10

SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Date Collected: 10/10/24 00:00 Date Received: 10/14/24 15:50 Lab Sample ID: 880-49778-1

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			5.01 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93386	10/15/24 13:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			93390	10/15/24 12:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 12:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93299	10/15/24 08:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 10:59	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Marathon Oil Company Job ID: 880-49778-1 Project/Site: El Presidente 3 5 6 10 SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 Job ID: 880-49778-1

SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Marathon Oil Company Project/Site: El Presidente 3 5 6 10 Job ID: 880-49778-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49778-1	Backfill Sample	Solid	10/10/24 00:00	10/14/24 15:50

880-49778 Chain of Custody

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Project Manager.	Stephen Reyes				Bill to: (if different)		Cody Swa	Cody Swanson Steege				Work	Order	Work Order Comments	
Company Name:	Carmona Resources	rces			Company Name:		Marathon	Marathon Oil Corporation			Program: U	ST/PST PRP	Brown	Program: UST/PST PRP Brownfields RC	Diperfund
Address:	310 W Wall St Ste 500	te 500			Address:		990 Town	990 Town and Country Blvd	lvd		State of Project:	ect:			
City, State ZIP:	Midland, TX 79701	01			City, State ZIP:		Houston, TX 77024	X 77024			Reporting:Le	Reporting:Level II Level III ST/UST	∥ ⊡ST/	UST TRRP	☐Level IV ☐
Phone:				Email	: swansonste@marathonoil.com	marathono	il.com				Deliverables: EDD		ADaPT	r 🗆 Other:	
Project Name:	EI Pre	El Presidente 3 5 6 10	6 10	Turn	Turn Around				AN	ANALYSIS REQUEST	DUEST			Preserv	Preservative Codes
Project Number:		2524		Routine	✓ Rush	Pres. Code								None: NO	DI Water: H ₂ O
Project Location	Eddy C	Eddy County, New Mexico	Mexico	Due Date:	24 hour									Cool: Cool	MeOH: Me
Sampler's Name:		J.					(OBI							HCL: HC	HNO ₃ : HN
Work Order		20221440			(8.1	N + 0					_		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes	Wet Ice:	on G	eter		0.00				_		H₃PO₄: HP	
Received Intact:)		Thermometer ID:		7.724	แลท	_)£ 9(_		pje	NaHSO₄: NABIS	S
Cooler Custody Seals:	Yes	N O	Correction Factor	or:	(e d	KEX RD	lorid					Н	Na ₂ S ₂ O ₃ : NaSO ₃	23
Sample Custody Seals:	Yes	No NA	Temperature Reading:	ading:	. 2.		_	сы						Zn Acetate+NaOH: Zn	OH: Zn
Total Containers:			Corrected Temperature:	erature:	-3.0		108							NaOH+Ascorbic Acid: SAPC	c Acid: SAPC
Sample Identification	ıtification	Date	Time	Soil	Water Comp	/ # of Cont	HqT		_					Sample	Sample Comments
Backfill Sample		10/10/2024		×	Comp	р Т	×	×							
									-						
Comments: Email results to Mike Carmona mcarmona@carmonaresourc	I results to Mike	Carmona m	carmona@car	monaresourc	es.com, Conner Moehring cmoehring@carmonaresources.com, Stephen Reyes sreyes@carmonaresources.com	r Moehrin	g cmoeh	ring@carmo	naresourc	es.com, St	ephen Reyes	sreyes@carr	nonares	ources.com	
	Re	elinquished b	Relinquished by: (Signature)				Date/Time			Rec	Received by: (Signature)	nature)			Date/Time
									A	0				a	oku MV 1550
									1	1					
								\							

Chain of Custod

Login Sample Receipt Checklist

Job Number: 880-49778-1 Client: Marathon Oil Company

SDG Number: Eddy County, New Mexico

Login Number: 49778 List Source: Eurofins Midland List Number: 1

Creator: Vasquez, Julisa

<6mm (1/4").

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	

Eurofins Midland Page 19 of 19 Sante Fe Main Office Phone: (505) 476-3441 General Information

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

QUESTIONS

Action 439308

QUESTIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425544205
Incident Name	NAPP2425544205 EL PRESIDENTE STATE TB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2125248026] EL PRESIDENTE STATE TB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EL PRESIDENTE STATE TB
Date Release Discovered 09/11/2024	
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	

lature and Volume of Release	
faterial(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: Equipment Failure Valve Produced Water Released: 37 BBL Recovered: 14 BBL Lost: 23 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A 4" balon valve weld failure resulted in an estimated 37.27 bbl of produced water released onto ROE R36828. All standing fluid was recovered and an initial scrape of the surface was completed. Delineation and remedation planning is ongoing.

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QUESTIONS, Page 2

Action 439308

QUESTI	ONS (continued)
Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098 Action Number: 439308 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	, , , , , , , , , , , , , , , , , , , ,
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 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 releate OCD does not relieve the operator of liability should their operations have failed to	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
I hereby agree and sign off to the above statement	Name: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 09/25/2024

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QUESTIONS, Page 3

Action 439308

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization				
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	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 26 and 50 (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	nd the following surface areas:			
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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	Zero feet, overlying, or within area			
Categorize the risk of this well / site being in a karst geology	High			
A 100-year floodplain	Between ½ and 1 (mi.)			
Did the release impact areas not on an exploration, development, production, or storage site	Yes			

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the	e appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in millig	grams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	11200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	10/08/2024
On what date will (or did) the final sampling or liner inspection occur	10/10/2024
On what date will (or was) the remediation complete(d)	10/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	780
What is the estimated volume (in cubic yards) that will be reclaimed	190
What is the estimated surface area (in square feet) that will be remediated	780
What is the estimated volume (in cubic yards) that will be remediated	190
These estimated dates and measurements are recognized to be the best guess or calculation at the ti	me of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

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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 439308

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 - Red Bluff
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Not answered.
Por Subsection P of 10 15 20 11 NMAC upless the site observatorization report includes completed at	Forts at remediation, the report must include a proposed remediation plan in accordance with 10.15.20.12 NMAC

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Cody Swanson Steege
Title: Compliance Supervisor
Email: swansonste@marathonoil.com
Date: 03/05/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 439308

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 439308

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	390131
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/10/2024
What was the (estimated) number of samples that were to be gathered	22
What was the sampling surface area in square feet	612

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	780	
What was the total volume (cubic yards) remediated	190	
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	780	
What was the total volume (in cubic yards) reclaimed	190	
Summarize any additional remediation activities not included by answers (above)	n/a	

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

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

I hereby agree and sign off to the above statement

Name: Cody Swanson Steege
Title: Compliance Supervisor
Email: swansonste@marathonoil.com
Date: 03/05/2025

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

QUESTIONS, Page 7

Action 439308

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 439308

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	439308
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Closure Report is approved. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/21/2025
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the 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; and a revegetation plan.	3/21/2025