

CARMONA RESOURCES



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

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



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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.

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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

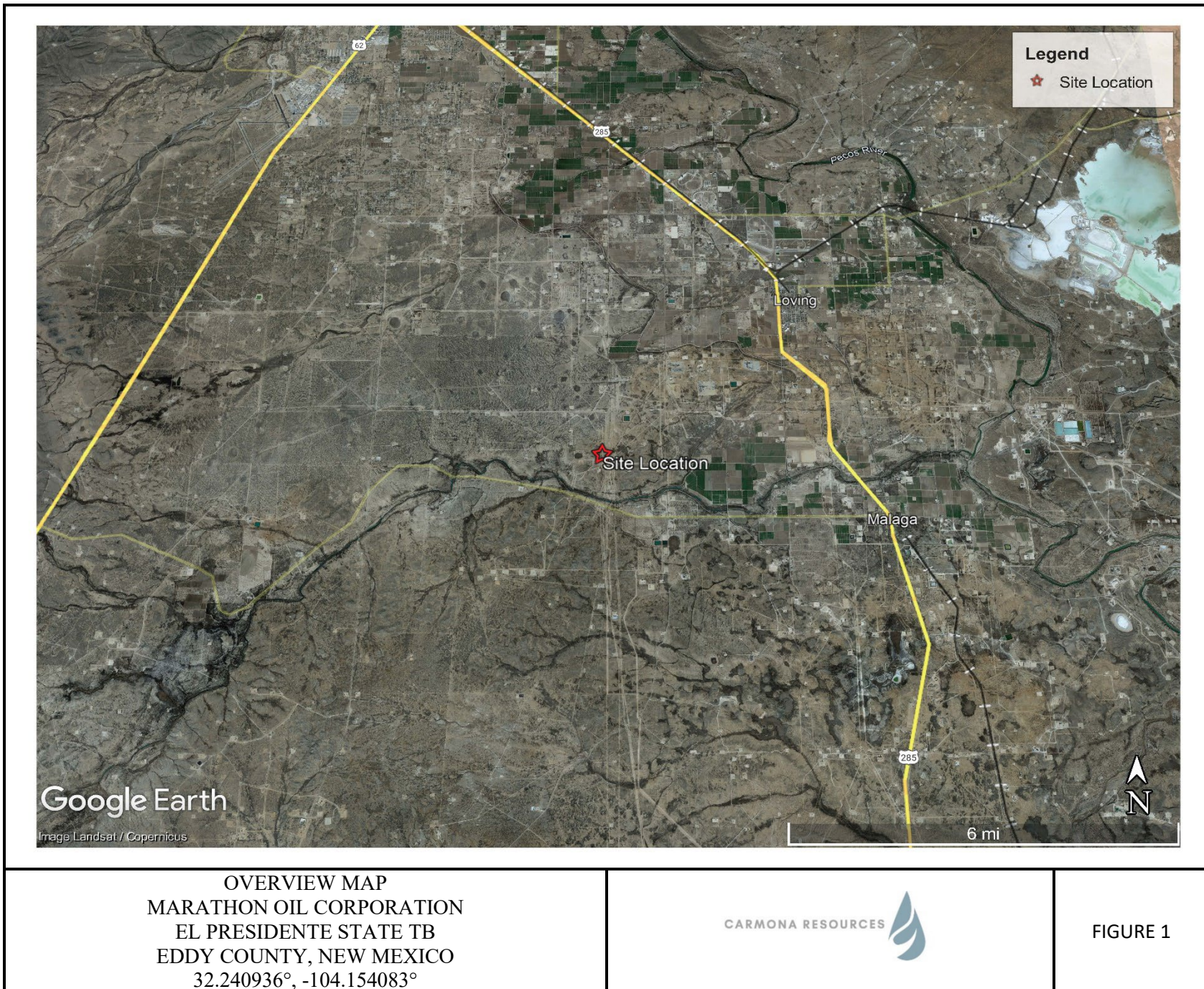
Devin Dominguez
Sr. Project Manager

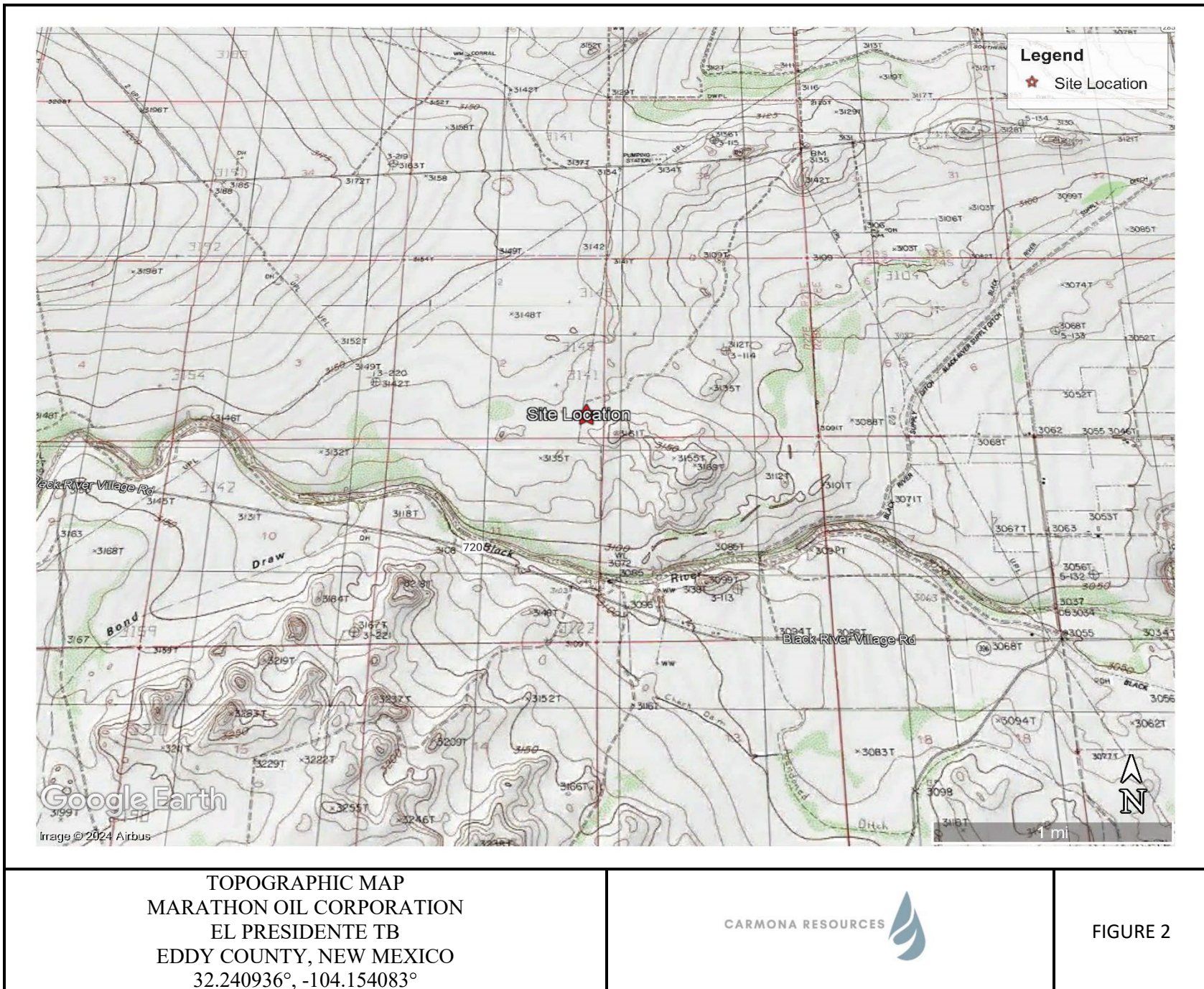
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FIGURES

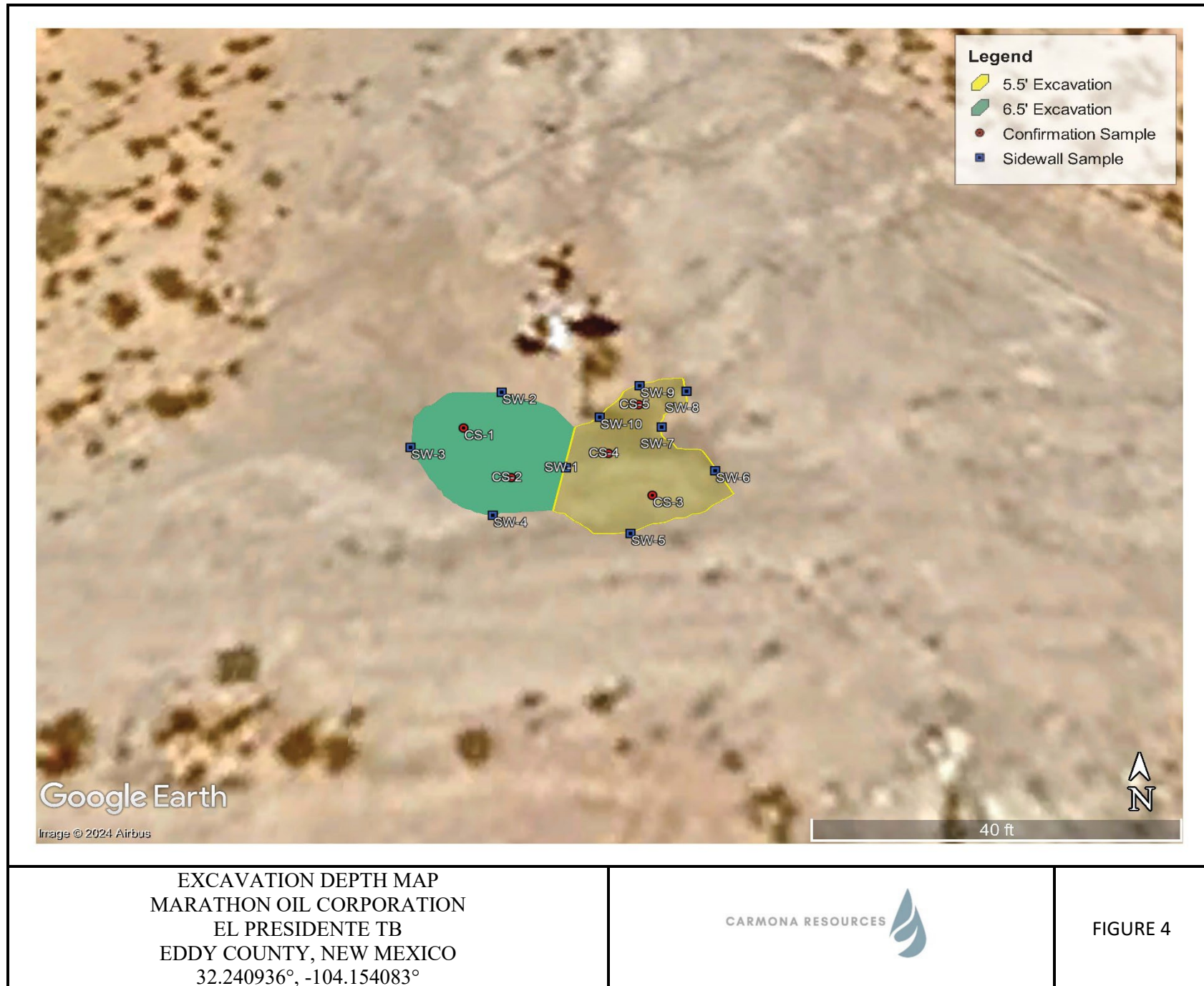
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APPENDIX A

CARMONA RESOURCES



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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	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
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,460
	"	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
S-2	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
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,170
	"	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
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

Removed

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	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
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

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



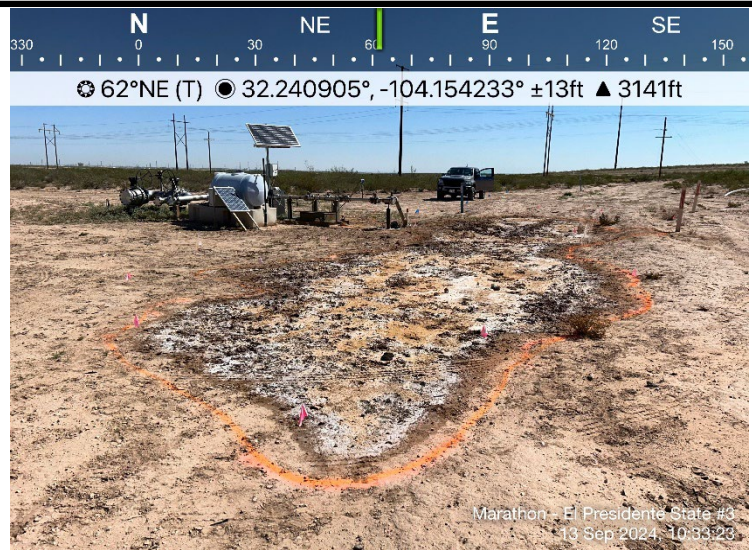
Photograph No. 3

Facility: El Presidente State TB

County: Eddy County, New Mexico

Description:

View East of initial release



PHOTOGRAPHIC LOG

Marathon Oil Corporation

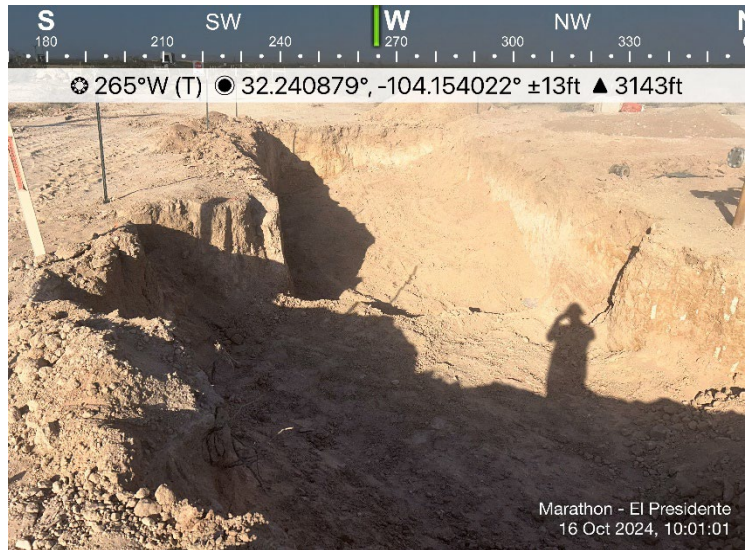
Photograph No. 4

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



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

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

QUESTIONS

Action 382605

QUESTIONS

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

QUESTIONS

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

Incident Details <i>Please answer all the questions in this group.</i>	
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 <i>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.</i>	
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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QUESTIONS, Page 2

Action 382605

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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ACKNOWLEDGMENTS

Action 382605

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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
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Santa Fe, NM 87505

CONDITIONS

Action 382605

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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

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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: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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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District IV

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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 386537

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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 Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 09/25/2024
--	--

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QUESTIONS, Page 3

Action 386537

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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 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.	

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.)	Width (ft.) / (SQ Ft)	Soil Type: 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 Volume (bbls)	Water Volume (bbls)	Oil Volume (bbls)
Total Spill Volume (bbls):	37.27	37.27	0.00
Total Spill Volume (gals):	1565.52	1565.52	0.00

Comments:

Color Key:	Required Input Cells	Supplemental Input Cells	No Input (Calculations)	No Input
------------	-------------------------	-----------------------------	----------------------------	----------

Ground/Vegetation Overspray

Cover Type	Microns	Approximate Depth (in)
Ground		
Dull Color	10	0.00003281
Dark Color	50	0.00016404

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CONDITIONS

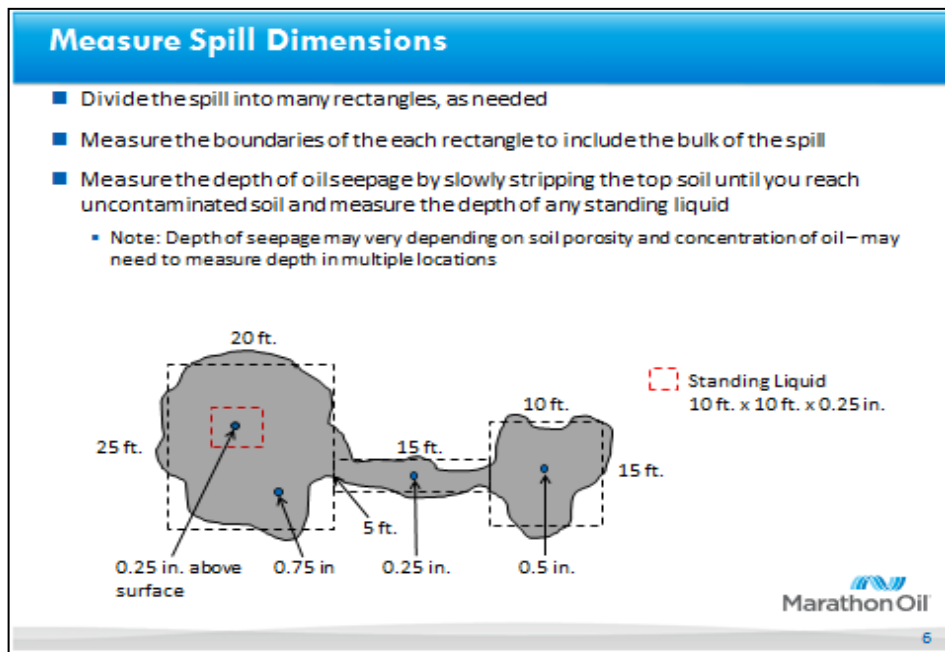
Action 386537

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 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 (Ft ²)
12	2256

0.125
0.25
0.5
0.75

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

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QUESTIONS

Action 390131

QUESTIONS

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

CONDITIONS

Created By	Condition	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



Nearest water well

Marathon Oil Permian LLC

Legend


- 0.50 Mile Radius
- 0.92 Miles
- 0.93 Miles
- EL PRESIDENTE STATE TB (09.11.2024)
- NMSEO Water Well




High Karst

Marathon Oil Permian LLC

Legend

 High

 Medium

EL PRESIDENTE STATE TB (09.11.2024)





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

6/20/2009

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2008 NOV -7 P 1:25

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER)				OSE FILE NUMBER(S) C-3260				
	WELL OWNER NAME(S) Claramai R. Hayhurst				PHONE (OPTIONAL) 575-887-6313				
	WELL OWNER MAILING ADDRESS 518 E. Orchard				CITY Carlsbad		STATE NM		
					ZIP 88220				
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS				
		LATITUDE		32	13	37.90	N		
		LONGITUDE		104	9	3.63	W		
* ACCURACY REQUIRED: ONE TENTH OF A SECOND									
* DATUM REQUIRED: WGS 84									
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS Well is about 75' from Black River Village Rd.									
2. OPTIONAL	(2.5 ACRE) NW ¼	(10 ACRE) SW ¼	(40 ACRE) SW ¼	(160 ACRE) SW ¼	SECTION 12	TOWNSHIP 24	RANGE 27		
					LOT NUMBER	BLOCK NUMBER	UNIT/TRACT		
					MAP NUMBER	TRACT NUMBER			
3. DRILLING INFORMATION	LICENSE NUMBER WD-1348		NAME OF LICENSED DRILLER Clinton Taylor			NAME OF WELL DRILLING COMPANY Taylor Water Well Service			
	DRILLING STARTED 11/2/08		DRILLING ENDED 11/02/08		DEPTH OF COMPLETED WELL (FT) 80'	BORE HOLE DEPTH (FT) 80'	DEPTH WATER FIRST ENCOUNTERED (FT) Deep[en Existing Well		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) 56'		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:								
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:								
	DEPTH (FT)		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)	
	FROM	TO							
4. WATER BEARING STRATA	DEPTH (FT)		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)				YIELD (GPM)	
	FROM	TO							
	59	64	3	1 1/2' of rock and 1 1/2' of open hole				UK	
	70	76	6	6' of rock				UK	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA 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 245.276.12.331

PAGE 1 OF 2

417021


FOR USE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER	POD NUMBER	TRN NUMBER	
LOCATION		PAGE 2 OF 2	

417021

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	Y	Map
	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:	TAYLOR WATER WELL SERVICE		
Driller Name:	EXISTING WELL				
Drill Start Date:	2003-09-26	Drill Finish Date:	2003-09-27	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:

Top	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:

Top	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	Mtr Amount	Online
2003-12-04	2003	53319.000	A	RPT		0.000	
2004-01-20	2003	58180.000	A	RPT	JOB COMPLETE	1.492	

YTD Meter Amounts:

Year	Amount
2003	1.492

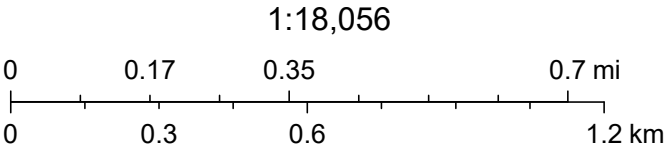
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

EL PRESIDENTE STATE TB (09.11.2024)



9/12/2024, 2:06:47 PM

- OSW Water Bodys
- OSE Streams



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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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
Jessica.Kramer@et.eurofinsus.com
(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

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Definitions/Glossary

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

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

Qualifiers

GC VOA

Qualifier	Qualifier Description
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 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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 880-48607-1

Job ID: 880-48607-1

Eurofins Midland

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.

Eurofins Midland

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 (0-1')

Lab Sample ID: 880-48607-1

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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 Calculation

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

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 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 14:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 14:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	09/21/24 17:25	09/22/24 14:15	1
o-Terphenyl	124		70 - 130	09/21/24 17:25	09/22/24 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		99.6		mg/Kg			09/19/24 09:19	20

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-48607-2

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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

Date Collected: 09/16/24 00:00

Matrix: Solid

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	<0.00401	U	0.00401		mg/Kg			09/19/24 22:51	1

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

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 14:33	1
Diesel Range Organics (Over C10-C28)	<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	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8750		99.2		mg/Kg			09/19/24 09:39	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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)	100		70 - 130				09/18/24 13:24	09/19/24 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/19/24 23:12	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			09/22/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 14:53	1

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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 (2')

Lab Sample ID: 880-48607-3

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		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 - Anions, Ion Chromatography - Soluble

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')

Lab Sample ID: 880-48607-4

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/18/24 13:24	09/19/24 23:32	1
m-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
Xylenes, 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 BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/24 23:32	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			09/22/24 15:11	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		09/21/24 17:25	09/22/24 15:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/21/24 17:25	09/22/24 15:11	1
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: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Eurofins Midland

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 (4')

Lab Sample ID: 880-48607-5

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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	1
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 - Total BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 15:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	09/21/24 17:25	09/22/24 15:32	1
o-Terphenyl	111		70 - 130	09/21/24 17:25	09/22/24 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		99.2		mg/Kg			09/19/24 09:59	20

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

Eurofins Midland

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 (5')

Lab Sample ID: 880-48607-6

Date Collected: 09/16/24 00:00

Matrix: Solid

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			09/20/24 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 15:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 15:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/21/24 17:25	09/22/24 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/21/24 17:25	09/22/24 15:51	1
o-Terphenyl	111		70 - 130				09/21/24 17:25	09/22/24 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		50.5		mg/Kg			09/19/24 10:19	10

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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
1,4-Difluorobenzene (Surr)	102		70 - 130				09/18/24 13:24	09/20/24 00:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/20/24 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/22/24 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 16:11	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/21/24 17:25	09/22/24 16:11	1

Eurofins Midland

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 (6')
Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-7
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)	<49.6	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 Chromatography - 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
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/18/24 13:24	09/20/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/18/24 13:24	09/20/24 00:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/18/24 13:24	09/20/24 00:54	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/20/24 00:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/22/24 16:30	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	<50.2	U	50.2		mg/Kg		09/21/24 17:25	09/22/24 16:30	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/21/24 17:25	09/22/24 16:30	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/21/24 17:25	09/22/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				09/21/24 17:25	09/22/24 16:30	1
o-Terphenyl	143	S1+	70 - 130				09/21/24 17:25	09/22/24 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.54		4.98		mg/Kg			09/19/24 10:33	1

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Surrogate Summary

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

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-48607-1	S-1 (0-1')	104	102				
880-48607-1 MS	S-1 (0-1')	103	99				
880-48607-1 MSD	S-1 (0-1')	102	100				
880-48607-2	S-1 (1.5')	106	101				
880-48607-3	S-1 (2')	107	100				
880-48607-4	S-1 (3')	108	101				
880-48607-5	S-1 (4')	108	101				
880-48607-6	S-1 (5')	108	99				
880-48607-7	S-1 (6')	105	102				
880-48607-8	S-1 (7')	105	101				
LCS 880-91109/1-A	Lab Control Sample	98	101				
LCSD 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-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-48607-1	S-1 (0-1')	127	124				
880-48607-2	S-1 (1.5')	130	123				
880-48607-3	S-1 (2')	112	112				
880-48607-4	S-1 (3')	121	119				
880-48607-5	S-1 (4')	112	111				
880-48607-6	S-1 (5')	108	111				
880-48607-7	S-1 (6')	118	122				
880-48607-8	S-1 (7')	144 S1+	143 S1+				
890-7107-A-22-D MS	Matrix Spike	124	115				
890-7107-A-22-E MSD	Matrix Spike Duplicate	118	112				
LCS 880-91408/2-A	Lab Control Sample	109	103				
LCSD 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							

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QC Sample Results

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

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

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 91170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91109

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

Matrix: Solid

Analysis Batch: 91170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91109

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

Surrogate	LCS %Recovery	LCS 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09075		mg/Kg		91	70 - 130	7	35
Toluene	0.100	0.08627		mg/Kg		86	70 - 130	7	35
Ethylbenzene	0.100	0.08500		mg/Kg		85	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1807		mg/Kg		90	70 - 130	6	35
o-Xylene	0.100	0.09124		mg/Kg		91	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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QC Sample Results

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

Job ID: 880-48607-1
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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.101	0.06748	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00202	U	0.101	0.07241		mg/Kg		72	70 - 130

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

Lab Sample ID: 880-48607-1 MSD

Matrix: Solid

Analysis Batch: 91170

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

Prep Type: Total/NA

Prep Batch: 91109

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

Surrogate	MSD %Recovery	MSD Qualifier	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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/24 08:37	09/19/24 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/24 08:37	09/19/24 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/24 08:37	09/19/24 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/24 08:37	09/19/24 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/24 08:37	09/19/24 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/24 08:37	09/19/24 11:31	1

Surrogate	MB %Recovery	MB 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

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

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QC Sample Results

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

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		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
Surrogate	MB %Recovery	MB 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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	761.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	872.9		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	124		70 - 130						
o-Terphenyl	115		70 - 130						

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QC Sample Results

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

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

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

Lab Sample ID: 890-7107-A-22-E MSD

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91408

	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	<49.9	U	1010	737.7		mg/Kg		71	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	827.8		mg/Kg		78	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	118		70 - 130								
o-Terphenyl	112		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91101/1-A

Matrix: Solid

Analysis Batch: 91149

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			09/19/24 08:59	1

Lab Sample ID: LCS 880-91101/2-A

Matrix: Solid

Analysis Batch: 91149

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 91149

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	251.4		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-48607-1 MS

Matrix: Solid

Analysis Batch: 91149

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

Prep Type: Soluble

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

Lab Sample ID: 880-48607-1 MSD

Matrix: Solid

Analysis Batch: 91149

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

Prep Type: Soluble

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

Eurofins Midland

QC Association Summary

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

Job ID: 880-48607-1
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	

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QC Association Summary

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

Job ID: 880-48607-1
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 Batch
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	

Eurofins Midland

QC Association Summary

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

Job ID: 880-48607-1
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
Project/Site: El Presidente 3 5 6 10

Job ID: 880-48607-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	91109	09/18/24 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91170	09/19/24 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91325	09/19/24 22:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			91540	09/22/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 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 14:33	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 09:39	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	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

Eurofins Midland

Lab Chronicle

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 (3')

Lab Sample ID: 880-48607-4

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Eurofins Midland

Lab Chronicle

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 (6')
Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 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')
Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48607-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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
Project/Site: El Presidente 3 5 6 10

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 880-48607-1
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: 880-48607-1
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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Chain of Custody



880-48607 Chain of Custody

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to: (if different)	Cody Swanson Steege
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	swansonste@marathonoil.com

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

ANALYSIS REQUEST										Preservative Codes		
Project Name:	El Presidente 3 5 6 10			Turn Around	Pres. Code							
Project Number:	2524			<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush						None: NO DI Water: H ₂ O		
Project Location:	Eddy County, New Mexico			Due Date:	5 day					Cool: Cool MeOH: Me		
Sampler's Name:	CCM									HCL: HC HNO ₃ : HN		
Work Order	20221440									H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No					H ₃ PO ₄ : HP		
Received Intact:		Yes No		Thermometer ID:						NaHSO ₄ : NABIS		
Cooler Custody Seals:		Yes No	N/A	Correction Factor:						Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes No	N/A	Temperature Reading:						Zn Acetate+NaOH: Zn		
Total Containers:				Corrected Temperature:						NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B		TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
S-1 (0-1')	9/16/2024		X		G	1	X	X	X	X		
S-1 (1.5')	9/16/2024		X		G	1	X	X	X	X		
S-1 (2')	9/16/2024		X		G	1	X	X	X	X		
S-1 (3')	9/16/2024		X		G	1	X	X	X	X		
S-1 (4')	9/16/2024		X		G	1	X	X	X	X		
S-1 (5')	9/16/2024		X		G	1	X	X	X	X		
S-1 (6')	9/16/2024		X		G	1	X	X	X	X		
S-1 (7')	9/16/2024		X		G	1	X	X	X	X		

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt merrittc@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	9/18/24	Clint Merritt	9/18/24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48607-1

SDG Number: Eddy County, New mexico

Login Number: 48607

List Number: 1

List Source: Eurofins Midland

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

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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
Jessica.Kramer@et.eurofinsus.com
(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

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Definitions/Glossary

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

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

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

Case Narrative

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

Job ID: 880-48605-1

Job ID: 880-48605-1

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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.

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Client 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-1 (0-0.5')

Lab Sample ID: 880-48605-1

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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			09/18/24 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/24 12:00	1

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

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

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
Chloride	9.65		5.04		mg/Kg			09/19/24 14:46	1

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

Lab Sample ID: 880-48605-2

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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Client 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-2 (0-0.5')

Lab Sample ID: 880-48605-2

Date Collected: 09/16/24 00:00

Matrix: Solid

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	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 12:19	1

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

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

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
Ethylbenzene	<0.00202	U *1	0.00202		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/18/24 12:49	09/18/24 18:18	1
Surrogate	%Recovery	Qualifier	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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			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 (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 12:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/21/24 17:25	09/22/24 12:40	1

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Client 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-3 (0-0.5')

Lab Sample ID: 880-48605-3

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	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		mg/Kg			09/19/24 15:04	1

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

Lab Sample ID: 880-48605-4

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 - 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 18:38	1

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

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

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	<50.4	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	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.81		5.00		mg/Kg			09/19/24 15:13	1

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Client 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-5 (0-0.5')

Lab Sample ID: 880-48605-5

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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	1

Method: SW846 8015 NM - Diesel Range Organics (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 (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/21/24 17:25	09/22/24 13:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/21/24 17:25	09/22/24 13:36	1
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		mg/Kg			09/19/24 15:39	1

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

Lab Sample ID: 880-48605-6

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

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Client 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-6 (0-0.5')

Lab Sample ID: 880-48605-6

Date Collected: 09/16/24 00:00

Matrix: Solid

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	<0.00404	U	0.00404		mg/Kg			09/18/24 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/22/24 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 13:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/21/24 17:25	09/22/24 13:55	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.51		5.03		mg/Kg			09/19/24 15:48	1

Surrogate Summary

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

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48592-A-1-C MS	Matrix Spike	86	107
880-48592-A-1-D MSD	Matrix Spike Duplicate	101	109
880-48605-1	H-1 (0-0.5')	84	84
880-48605-2	H-2 (0-0.5')	93	89
880-48605-3	H-3 (0-0.5')	93	87
880-48605-4	H-4 (0-0.5')	91	83
880-48605-5	H-5 (0-0.5')	87	79
880-48605-6	H-6 (0-0.5')	96	84
LCS 880-91074/1-A	Lab Control Sample	97	115
LCSD 880-91074/2-A	Lab Control Sample Dup	88	91
MB 880-91074/5-A	Method Blank	75	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-48605-1	H-1 (0-0.5')	130	123
880-48605-2	H-2 (0-0.5')	146 S1+	141 S1+
880-48605-3	H-3 (0-0.5')	159 S1+	153 S1+
880-48605-4	H-4 (0-0.5')	119	121
880-48605-5	H-5 (0-0.5')	116	113
880-48605-6	H-6 (0-0.5')	148 S1+	150 S1+
890-7107-A-22-D MS	Matrix Spike	124	115
890-7107-A-22-E MSD	Matrix Spike Duplicate	118	112
LCS 880-91408/2-A	Lab Control Sample	109	103
LCSD 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

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

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

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 91062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91074

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

Matrix: Solid

Analysis Batch: 91062

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91074

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

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

Lab Sample ID: LCSD 880-91074/2-A

Matrix: Solid

Analysis Batch: 91062

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 91074

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
o-Xylene	0.100	0.07376		mg/Kg		74	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD 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 Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 91074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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QC Sample Results

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

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

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

Lab Sample ID: 880-48592-A-1-C MS
Matrix: Solid
Analysis Batch: 91062

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 91074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	86		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: 880-48592-A-1-D MSD
Matrix: Solid
Analysis Batch: 91062

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 91074

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	219	S1+	70 - 130						
o-Terphenyl	214	S1+	70 - 130						

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

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

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QC Sample Results

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

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 Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 91408

	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

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

	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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	761.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	872.9		mg/Kg		82	70 - 130

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

Lab Sample ID: 890-7107-A-22-E MSD

Matrix: Solid

Analysis Batch: 91414

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 91408

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	737.7		mg/Kg		71	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	827.8		mg/Kg		78	70 - 130	5	20

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

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QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 91148

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/19/24 12:42	1

Lab Sample ID: LCS 880-91100/2-A

Matrix: Solid

Analysis Batch: 91148

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-91100/3-A

Matrix: Solid

Analysis Batch: 91148

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-48605-4 MS

Matrix: Solid

Analysis Batch: 91148

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

Prep Type: Soluble

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

Lab Sample ID: 880-48605-4 MSD

Matrix: Solid

Analysis Batch: 91148

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.81		250	250.0		mg/Kg		96	90 - 110	0	20

Eurofins Midland

QC Association Summary

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

Job ID: 880-48605-1
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	

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QC Association Summary

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

Job ID: 880-48605-1
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

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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-1 (0-0.5')

Lab Sample ID: 880-48605-1

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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')

Lab Sample ID: 880-48605-2

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 17:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			91539	09/22/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 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 12:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 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 14:55	CH	EET MID

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

Lab Sample ID: 880-48605-3

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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')

Lab Sample ID: 880-48605-4

Date Collected: 09/16/24 00:00

Matrix: Solid

Date Received: 09/18/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

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

Lab Sample ID: 880-48605-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')
Date Collected: 09/16/24 00:00
Date Received: 09/18/24 09:20

Lab Sample ID: 880-48605-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	91074	09/18/24 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	91062	09/18/24 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			91157	09/18/24 18:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			91539	09/22/24 13:36	SM	EET MID
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	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
Soluble	Analysis	300.0		1	50 mL	50 mL	91148	09/19/24 15:39	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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
Project/Site: El Presidente 3 5 6 10

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: 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

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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380-48605 Chain of Custody

Page 1 of 1

Chain of Custody

Project Manager:	Clinton Merritt	Bill to: (if different)	Cody Swanson Steege
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	swansonste@marathonoil.com

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

[illegible]

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Connie Murphy</i>	9/18/24	<i>[Signature]</i>	9/18/24 920

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48605-1

SDG Number: Eddy County, New Mexico

Login Number: 48605

List Number: 1

List Source: Eurofins Midland

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

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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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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

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

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Definitions/Glossary

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

Job ID: 880-49779-1
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 880-49779-1

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

Eurofins Midland

Case Narrative

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

Job ID: 880-49779-1

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.

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: CS-1 (6.5')

Lab Sample ID: 880-49779-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/15/24 08:26	10/15/24 11:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/15/24 08:26	10/15/24 11:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/15/24 08:26	10/15/24 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/15/24 08:26	10/15/24 11:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/15/24 08:26	10/15/24 11:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/15/24 11:46	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			10/15/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/15/24 07:48	10/15/24 13:21	1
o-Terphenyl	102		70 - 130	10/15/24 07:48	10/15/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		10.1		mg/Kg			10/15/24 11:05	1

Client Sample ID: CS-2 (6.5')

Lab Sample ID: 880-49779-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

Client Sample Results

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

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

Client Sample ID: CS-2 (6.5')

Lab Sample ID: 880-49779-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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			10/15/24 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 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 (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/15/24 07:48	10/15/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/15/24 07:48	10/15/24 13:36	1
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 Chromatography - Soluble

Analyte	Result	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')

Lab Sample ID: 880-49779-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:26	10/15/24 12:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/15/24 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/15/24 07:48	10/15/24 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/15/24 07:48	10/15/24 13:52	1

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: CS-3 (5.5')

Lab Sample ID: 880-49779-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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')

Lab Sample ID: 880-49779-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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
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
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

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: CS-5 (5.5')

Lab Sample ID: 880-49779-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/15/24 07:48	10/15/24 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		10/15/24 07:48	10/15/24 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/15/24 07:48	10/15/24 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/15/24 07:48	10/15/24 14:22	1
o-Terphenyl	87		70 - 130	10/15/24 07:48	10/15/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		9.98		mg/Kg			10/15/24 11:37	1

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-49779-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-49779-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/15/24 13:28	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			10/15/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/15/24 07:48	10/15/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		10/15/24 07:48	10/15/24 14:37	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.92		mg/Kg			10/15/24 11:53	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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
1,4-Difluorobenzene (Surr)	92		70 - 130				10/15/24 08:28	10/15/24 11:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/15/24 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/15/24 07:48	10/15/24 14:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/15/24 07:48	10/15/24 14:53	1

Eurofins Midland

Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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 - Total BTEX Calculation

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

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 12:35	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 F2 F1	50.0		mg/Kg		10/15/24 07:51	10/15/24 12:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F2 F1	50.0		mg/Kg		10/15/24 07:51	10/15/24 12:35	1
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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		9.94		mg/Kg			10/15/24 12:04	1

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: SW-4 (6.5')

Lab Sample ID: 880-49779-9

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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	<0.00399	U	0.00399		mg/Kg			10/15/24 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/15/24 07:51	10/15/24 13:21	1
o-Terphenyl	96		70 - 130	10/15/24 07:51	10/15/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	436		10.0		mg/Kg			10/15/24 12:09	1

Client Sample ID: SW-5 (6.5')

Lab Sample ID: 880-49779-10

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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

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Client Sample Results

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

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

Client Sample ID: SW-5 (6.5')

Lab Sample ID: 880-49779-10

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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	U	49.8		mg/Kg			10/15/24 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 (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 13:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		10/15/24 07:51	10/15/24 13:36	1
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 Fac
Chloride	410		10.1		mg/Kg			10/15/24 12:15	1

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 8021B - Volatile Organic Compounds (GC)

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)	90		70 - 130				10/15/24 08:28	10/15/24 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/15/24 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/15/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		10/15/24 07:51	10/15/24 13:52	1

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Client Sample Results

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

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

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 - 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 07:51	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	Qualifier	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')

Lab Sample ID: 880-49779-12

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:28	10/15/24 13:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:28	10/15/24 13:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:28	10/15/24 13:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/15/24 08:28	10/15/24 13:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/15/24 08:28	10/15/24 13:26	1
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 - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/15/24 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			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	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:07	1
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 Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	409		10.1		mg/Kg			10/15/24 12:26	1

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Client Sample Results

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

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

Client Sample ID: SW-8 (5.5')

Lab Sample ID: 880-49779-13

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/15/24 11:01	10/15/24 14:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/15/24 11:01	10/15/24 14:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/15/24 11:01	10/15/24 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	10/15/24 11:01	10/15/24 14:09	1
1,4-Difluorobenzene (Surr)	129		70 - 130	10/15/24 11:01	10/15/24 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/15/24 14:09	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 14:22	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 07:51	10/15/24 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/15/24 07:51	10/15/24 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:51	10/15/24 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130	10/15/24 07:51	10/15/24 14:22	1
o-Terphenyl	71		70 - 130	10/15/24 07:51	10/15/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		9.94		mg/Kg			10/15/24 12:37	1

Client Sample ID: SW-9 (5.5')

Lab Sample ID: 880-49779-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		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

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Client Sample Results

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

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

Client Sample ID: SW-9 (5.5')

Lab Sample ID: 880-49779-14

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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			10/15/24 12:37	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			10/15/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/15/24 07:51	10/15/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/15/24 07:51	10/15/24 14:37	1
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 Chromatography - 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		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
4-Bromofluorobenzene (Surr)	113		70 - 130				10/15/24 08:24	10/15/24 12:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/15/24 08:24	10/15/24 12:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/15/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/15/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/15/24 07:51	10/15/24 14:53	1

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Client Sample Results

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

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

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

Lab Sample ID: 880-49779-15
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)	<49.8	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

Surrogate Summary

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

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

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

Prep Type: Total/NA

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

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB2	DFBZ2						
		(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-Bromofluorobenzene (Surr)									
DFBZ = 1,4-Difluorobenzene (Surr)									

Surrogate Summary

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

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

Method: 8015B NM - Diesel Range Organics (DRO) (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49778-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
880-49779-3	CS-3 (5.5')	87	84
880-49779-4	CS-4 (5.5')	86	82
880-49779-5	CS-5 (5.5')	91	87
880-49779-6	SW-1 (1')	93	91
880-49779-7	SW-2 (6.5')	168 S1+	162 S1+
880-49779-8	SW-3 (6.5')	80	84
880-49779-8 MS	SW-3 (6.5')	79	75
880-49779-8 MSD	SW-3 (6.5')	84	78
880-49779-9	SW-4 (6.5')	90	96
880-49779-10	SW-5 (6.5')	67 S1-	72
880-49779-11	SW-6 (5.5')	69 S1-	75
880-49779-12	SW-7 (5.5')	71	76
880-49779-13	SW-8 (5.5')	66 S1-	71
880-49779-14	SW-9 (5.5')	76	83
880-49779-15	SW-10 (5.5')	74	79
LCS 880-93296/2-A	Lab Control Sample	118	161 S1+
LCS 880-93297/2-A	Lab Control Sample	110	159 S1+
LCSD 880-93296/3-A	Lab Control Sample Dup	116	157 S1+
LCSD 880-93297/3-A	Lab Control Sample Dup	131 S1+	191 S1+
MB 880-93296/1-A	Method Blank	161 S1+	166 S1+
MB 880-93297/1-A	Method Blank	97	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

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

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93185

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93185

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

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

Lab Sample ID: LCSD 880-93185/2-A

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93185

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
o-Xylene	0.100	0.09666		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	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

Analysis Batch: 93303

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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QC Sample Results

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

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

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

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

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

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

Matrix: Solid

Analysis Batch: 93303

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93185

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

Surrogate	MSD %Recovery	MSD 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

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

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QC Sample Results

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

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

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-49779-1 MS
Matrix: Solid
Analysis Batch: 93305

Client Sample ID: CS-1 (6.5')
Prep Type: Total/NA
Prep Batch: 93309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

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

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

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QC Sample Results

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

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

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	
Surrogate	%Recovery	Qualifier	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

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/24 08:28	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				Prepared	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 Type: Total/NA

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							

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QC Sample Results

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

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

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	
Surrogate	%Recovery	Qualifier	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

Matrix: Solid

Analysis Batch: 93304

Client Sample ID: SW-2 (6.5')

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

	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

	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			

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QC Sample Results

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

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1325	*+	mg/Kg		133	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		118					
o-Terphenyl		161	S1+				

Lab Sample ID: LCSD 880-93296/3-A

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1089		mg/Kg		109	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1303		mg/Kg		130	70 - 130	2	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		116							
o-Terphenyl		157	S1+						

Lab Sample ID: 880-49778-A-1-C MS

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	789.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	153	*+	998	848.1		mg/Kg		70	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		88							
o-Terphenyl		82							

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

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	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								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		90									

Eurofins Midland

QC Sample Results

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

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

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

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

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93296

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	81		70 - 130

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

Matrix: Solid

Analysis Batch: 93349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93297

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:50	10/15/24 10:33	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
1-Chlorooctane	97		70 - 130				10/15/24 07:50	10/15/24 10:33	1
<i>o</i> -Terphenyl	108		70 - 130				10/15/24 07:50	10/15/24 10:33	1

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

Matrix: Solid

Analysis Batch: 93349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	967.3		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1220		mg/Kg		122	70 - 130	
Surrogate	LCS	LCS	Limits					
%Recovery	Qualifier							
1-Chlorooctane	110		70 - 130					
<i>o</i> -Terphenyl	159	S1+	70 - 130					

Lab Sample ID: LCSD 880-93297/3-A

Matrix: Solid

Analysis Batch: 93349

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93297

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1460	*+	mg/Kg		146	70 - 130	18	20
Surrogate	LCSD	LCSD	Limits						
%Recovery	Qualifier								
1-Chlorooctane	131	S1+	70 - 130						
<i>o</i> -Terphenyl	191	S1+	70 - 130						

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QC Sample Results

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

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

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

Lab Sample ID: 880-49779-8 MS
Matrix: Solid
Analysis Batch: 93349

Client Sample ID: SW-3 (6.5')
Prep Type: Total/NA
Prep Batch: 93297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 F1	994	573.4	F1	mg/Kg		58	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F2 F1	994	590.9	F1	mg/Kg		59	70 - 130		
		MS MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	75		70 - 130								

Lab Sample ID: 880-49779-8 MSD
Matrix: Solid
Analysis Batch: 93349

Client Sample ID: SW-3 (6.5')
Prep Type: Total/NA
Prep Batch: 93297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2 F1	994	791.1	F2	mg/Kg		80	70 - 130	32	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F2 F1	994	800.7	F2	mg/Kg		81	70 - 130	30	20
		MSD MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93299/1-A
Matrix: Solid
Analysis Batch: 93317

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/15/24 09:44	1

Lab Sample ID: LCS 880-93299/2-A
Matrix: Solid
Analysis Batch: 93317

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-93299/3-A
Matrix: Solid
Analysis Batch: 93317

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	229.8		mg/Kg		92	90 - 110	0	20

QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-49779-3 MS

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: CS-3 (5.5')

Prep Type: Soluble

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

Lab Sample ID: 880-49779-3 MSD

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: CS-3 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112		251	361.8		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-93301/1-A

Matrix: Solid

Analysis Batch: 93323

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/15/24 10:00	1

Lab Sample ID: LCS 880-93301/2-A

Matrix: Solid

Analysis Batch: 93323

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-93301/3-A

Matrix: Solid

Analysis Batch: 93323

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.3		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-49783-A-20-C MS

Matrix: Solid

Analysis Batch: 93323

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	544		248	784.5		mg/Kg		97	90 - 110

Lab Sample ID: 880-49783-A-20-D MSD

Matrix: Solid

Analysis Batch: 93323

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	544		248	785.5		mg/Kg		98	90 - 110	0	20

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QC Association Summary

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

Job ID: 880-49779-1
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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QC Association Summary

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

Job ID: 880-49779-1
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 Batch
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	

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QC Association Summary

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

Job ID: 880-49779-1
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

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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QC Association Summary

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

Job ID: 880-49779-1
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	

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QC Association Summary

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

Job ID: 880-49779-1
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

Lab Chronicle

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

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

Client Sample ID: CS-1 (6.5')

Lab Sample ID: 880-49779-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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')

Lab Sample ID: 880-49779-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93309	10/15/24 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93305	10/15/24 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93368	10/15/24 12:06	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	93296	10/15/24 07:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93347	10/15/24 13:36	TKC	EET MID
Soluble	Leach	DI Leach			4.97 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 11:10	CH	EET MID

Client Sample ID: CS-3 (5.5')

Lab Sample ID: 880-49779-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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')

Lab Sample ID: 880-49779-4

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

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Lab Chronicle

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

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

Client Sample ID: CS-4 (5.5')**Lab Sample ID: 880-49779-4****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/14/24 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')**Lab Sample ID: 880-49779-5****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/14/24 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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')**Lab Sample ID: 880-49779-6****Date Collected: 10/10/24 00:00****Matrix: Solid****Date Received: 10/14/24 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	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****Matrix: Solid****Date Received: 10/14/24 15:50**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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	Prep	8015NM Prep			10.04 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 14:53	TKC	EET MID

Eurofins Midland

Lab Chronicle

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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 MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93317	10/15/24 12:15	CH	EET MID

Eurofins Midland

Lab Chronicle

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	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

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 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

Matrix: Solid

Date Received: 10/14/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Lab Chronicle

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

Job ID: 880-49779-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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')
Date Collected: 10/10/24 00:00
Date Received: 10/14/24 15:50

Lab Sample ID: 880-49779-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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
Project/Site: El Presidente 3 5 6 10

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

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

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

Chain of Custody



880-49779 Chain of Custody

Page 1

Work Order Comments

Program: ☐UST/PT ☐PRP ☐Brownfields ☐RC ☐perfund ☐

State of Project: ☐Level II ☐Level III ☐ST/UST ☐TRRP ☐Level IV ☐

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

Deliverables: ☐EDD ☐ADaPT ☐Other:

Project Manager: Stephen Reyes

Company Name: Carmona Resources

Address: 310 W Wall St Ste 500

City, State ZIP: Midland, TX 79701

Phone:

Bill to: (if different)

Company Name: Marathon Oil Corporation

Address: 990 Town and Country Blvd

City, State ZIP: Houston, TX 77024

Email: swansonste@marathonoil.com

Project Name:		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:		Due Date:		Parameters		Hold		Sample Comments	
Project Location		Due Date:		Parameters		Hold		Sample Comments	
Sampler's Name:		Due Date:		Parameters		Hold		Sample Comments	
Work Order		Due Date:		Parameters		Hold		Sample Comments	
Project Name:		Ei Presidente 3 5 6 10		Parameters		Hold		Sample Comments	
Project Number:		2524		Parameters		Hold		Sample Comments	
Project Location		Eddy County, New Mexico		Parameters		Hold		Sample Comments	
Sampler's Name:		JR		Parameters		Hold		Sample Comments	
Work Order		20221440		Parameters		Hold		Sample Comments	
SAMPLE RECEIPT		Temp Blank:		Wet loc:		Hold		Sample Comments	
Received Intact:		Yes No		Thermometer ID:		Hold		Sample Comments	
Cooler Custody Seals:		Yes No		Correction Factor:		Hold		Sample Comments	
Sample Custody Seals:		Yes No		Temperature Reading:		Hold		Sample Comments	
Total Containers:		N/A		Corrected Temperature:		Hold		Sample Comments	
Sample Identification		Date		Time		Soil		Water	
CS-1 (6.5')		10/10/2024				X		Comp 1	
CS-2 (6.5')		10/10/2024				X		Comp 1	
CS-3 (5.5')		10/10/2024				X		Comp 1	
CS-4 (5.5')		10/10/2024				X		Comp 1	
CS-5 (5.5')		10/10/2024				X		Comp 1	
SW-1 (1')		10/10/2024				X		Comp 1	
SW-2 (6.5')		10/10/2024				X		Comp 1	
SW-3 (6.5')		10/10/2024				X		Comp 1	
SW-4 (6.5')		10/10/2024				X		Comp 1	
SW-5 (5.5')		10/10/2024				X		Comp 1	

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Stephen Reyes sreyes@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			10/10/2024 15:50

Chain of Custody

Work Order No: 779

Page 2 of 2

Project Manager: Stephen Reyes		Bill to: (if different)		Cody Swanson Steege	
Company Name: Carmona Resources		Company Name:		Marathon Oil Corporation	
Address: 310 W Wall St Ste 500		Address:		990 Town and Country Blvd	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Houston, TX 77024	
Phone:		Email: swansonste@marathonoil.com			

Project Name: El Presidente 3 5 6 10		Turn Around		Pres. Code	
Project Number: 2524		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location: Eddy County, New Mexico		Due Date: 24 hour			
Sampler's Name: JR					
Work Order: 20221440					

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No	
Received Intact:		Yes		No		Thermometer ID:							
Cooler Custody Seals:		Yes		No		Correction Factor:							
Sample Custody Seals:		Yes		No		Temperature Reading:							
Total Containers:						Corrected Temperature:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Pres. Code	ANALYSIS REQUEST										Preservative Codes	Sample Comments
SW-6 (5.5')	10/10/2024		X		Comp	1																						None: NO	DI Water: H ₂ O
SW-7 (5.5')	10/10/2024		X		Comp	1																						Cool: Cool	MeOH: Me
SW-8 (5.5')	10/10/2024		X		Comp	1																						HCL: HC	HNO ₃ : HN
SW-9 (5.5')	10/10/2024		X		Comp	1																						H ₂ SO ₄ : H ₂	NaOH: Na
SW-10 (5.5')	10/10/2024		X		Comp	1																						H ₃ PO ₄ : HP	
																												NaHSO ₄ : NABIS	
																												Na ₂ S ₂ O ₃ : NaSO ₃	
																												Zn Acetate+NaOH: Zn	
																												NaOH+Ascorbic Acid: SAPC	

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Connor Moehring cmoehring@carmonaresources.com, Stephen Reyes sreyes@carmonaresources.com

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
						10/14/2024	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49779-1

SDG Number: Eddy County, New Mexico

Login Number: 49779

List Number: 1

List Source: Eurofins Midland

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

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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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Laboratory Job ID: 880-49778-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: 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

Client Sample Results

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-49778-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/14/24 15:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		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 - Total BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.3		50.0		mg/Kg			10/15/24 12:35	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 12:35	1
Diesel Range Organics (Over C10-C28)	15.3	++	50.0		mg/Kg		10/15/24 07:48	10/15/24 12:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/15/24 07:48	10/15/24 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/15/24 07:48	10/15/24 12:35	1
o-Terphenyl	94		70 - 130	10/15/24 07:48	10/15/24 12:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.3		9.92		mg/Kg			10/15/24 10:59	1

Eurofins Midland

Surrogate Summary

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)				
880-49778-1	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-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (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-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-49778-1	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							

QC Sample Results

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

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

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

Surrogate	LCS %Recovery	LCS Qualifier	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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	LCSD %Recovery	LCSD 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

QC Sample Results

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 880-49779-A-1-E MSD

Matrix: Solid

Analysis Batch: 93305

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 93309

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

Surrogate	MSD %Recovery	MSD 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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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

Surrogate	MB %Recovery	MB 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

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

Eurofins Midland

QC Sample Results

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

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

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

	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

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1089		mg/Kg		109	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1303		mg/Kg		130	70 - 130	2	20

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

Lab Sample ID: 880-49778-1 MS

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Backfill Sample

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	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

Matrix: Solid

Analysis Batch: 93347

Client Sample ID: Backfill Sample

Prep Type: Total/NA

Prep Batch: 93296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	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

Eurofins Midland

QC Sample Results

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93299/1-A

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/15/24 09:44	1

Lab Sample ID: LCS 880-93299/2-A

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-93299/3-A

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	229.8		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-49779-A-3-C MS

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: Matrix Spike

Prep Type: Soluble

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

Lab Sample ID: 880-49779-A-3-D MSD

Matrix: Solid

Analysis Batch: 93317

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112		251	361.8		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49778-1	Backfill Sample	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	
880-49778-1 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

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

QC Association Summary

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
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
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Accreditation/Certification Summary

Client: Marathon Oil Company
Project/Site: El Presidente 3 5 6 10

Job ID: 880-49778-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: 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

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

Chain of Custody



880-49778 Chain of Custody

Page 1 of 1

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ TRRP ☐ Level IV ☐
Reporting: ☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☐ Other: ☐
Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Stephen Reyes	Bill to: (if different)	Cody Swanson Steege
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address:	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:		Email:	swansonste@marathonoil.com

[illegible]

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Stephen Reyes sreyes@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[Signature]		[Signature]	6/14/1550

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

Login Sample Receipt Checklist

Client: Marathon Oil Company

Job Number: 880-49778-1

SDG Number: Eddy County, New Mexico

Login Number: 49778

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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: 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

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

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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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 439308

QUESTIONS (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. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Cody Swanson Steege Title: Compliance Supervisor Email: swansonste@marathonoil.com Date: 09/25/2024
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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, Page 3

Action 439308

QUESTIONS (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

Site Characterization	
<i>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.</i>	
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 and 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	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>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>	
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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>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.</i>	

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Oil Conservation Division
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QUESTIONS, Page 4

Action 439308

QUESTIONS (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

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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.
<i>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>	
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
<i>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.</i>	

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QUESTIONS, Page 5

Action 439308

QUESTIONS (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

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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Action 439308

QUESTIONS (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

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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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
<i>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>	
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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Action 439308

QUESTIONS (continued)

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	Action Number: 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: 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)

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