

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Fiddle Fee 23X 1H
Incident #: nAPP2403152749
Eddy County, New Mexico
Unit H Sec 23 T24S R28E
32.20598677°, -104.0509501°

Produced Water Release
Point of Release: Fitting Failure on a Transfer Pump
Release Date: 01/30/2024
Volume Released: 81 Barrels of Produced Water
Volume Recovered: 80 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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES/LINER INSPECTION/CONFIRMATION SAMPLING

5.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW

FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION

FIGURE 4 CONFIRMATION SAMPLE

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C NOR / INITIAL - C-141 / C141 – LINER NOTIFICATIONS /
NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



June 19, 2024

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

Re: Closure Report
Fiddle Fee 23X 1H
Marathon Oil Corporation
Incident ID: nAPP2403152749
Site Location: Unit H, S23, T24S, R28E
(Lat 32. 20598677°, Long -104.0509501°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Corporation (Marathon), Carmona Resource, LLC has prepared this letter to document additional site activities for the Fiddle Fee 23X 1H. The site is located at GPS 32.20598677°, -104.0509501° within Unit H, S23, T24S, R28E in Eddy County, New Mexico.

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 January 30, 2024, caused by a fitting failure on a transfer pump that caused produced water to spray inside and outside of containment. The incident resulted in the release of eighty-one (81) barrels of produced water, with eighty (80) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

On May 22, 2024, the New Mexico OCD denied the closure report for the following reason: "Remediation closure denied. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D(1)(a) NMAC. More details need to be provided in the description of all remedial activities as to if liner is intact how fluids escaped containment. Did the containment overflow? Did it spray out? The reviewer should not be left confused as to how...Photographs 4 and 6 show evidence of debris and that liner was not power washed. The integrity of the liner can only be confirmed if the liner is clean, and the surface is viewable. (All dried mud, trash, salt remnants, and brush should be removed so that the surface of the liner can be inspected). Liner inspection notice was not provided two business days in advance so after cleaning the liner, a C-141L should be submitted to the OCD at least 2 business days prior to reinspection. Without prior approval of an alternative sampling plan pursuant to 19.15.29.12(D)(1)(b), a variance request needs to be included if the samples are not 5-point composites representative of no more than 200 square feet if you plan to use these as confirmation samples. Resubmit report to the OCD by 6/21/2024."

2.0 Site Characterization and Groundwater

The site is located within a medium 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 0.74 miles Southwest of the site in S26, T24S, R28E

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



and was drilled in 2015. The well has a reported depth to groundwater of 55' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D of the amended report.

On March 13, 2024, Carmona Resources, LLC was onsite to drill a groundwater determination bore to 51' below ground surface within a 0.50-mile radius of the location. The groundwater determination bore is located approximately 0.05 miles southwest of the site at 32.205480°, -104.050455° in S23, T24S, and R28E. The bore was left open for 72 hours and tagged with a water level meter. The bore did not show signs of water at a depth of 51' below the ground surface (bgs). A copy of the groundwater determination bore log is attached in Appendix D of the amended report.

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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities/Liner Inspection

Liner Inspection

On February 7, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection, the NMOCD division office was notified via web portal on February 6, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Carmona Resources, LLC personnel inspected the liner visually and found it intact with no integrity issues. Refer to the Photolog.

Liner Inspection

On June 5, 2024, Carmona Resources, LLC was back on location to conduct a liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection all the concerns address by the NMOCD were removed, the NMOCD division office was notified via web portal on May 30, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Carmona Resources, LLC personnel inspected the liner visually and found it intact with no integrity issues. Refer to the Photolog.

Initial Assessment

On February 7, 2024, Carmona Resources, LLC was onsite to perform an initial assessment to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and eight (8) horizontal samples (H-1 through H-8) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release 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.

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



Vertical Delineation

All areas were below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

The location of H-1 showed a TPH concentration of 384 mg/kg. The horizontal locations of H-4, H-5, H-7, and H-8 showed chloride concentrations ranging from 2,540 mg/kg to 9,980 mg/kg. Refer to Table 1.

On March 29, 2024, Carmona Resources, LLC returned to the site to collect horizontal samples in the areas of H-4, H-5, H-7, and H-8. The horizontal areas were recollected 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.

On April 12, 2024, Carmona Resources, LLC returned to the site to collect horizontal samples in the areas of H-1 and H-4. The horizontal areas were recollected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico and 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 4500 and 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

All areas were below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

Confirmation Sampling

Carmona Resources personnel returned to the site to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 30, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eleven (11) floor confirmation samples were collected (CS-1 through CS-11), and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure soils were below the allowable limit. 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 confirmation sample locations are shown in Figure 4. The horizontals that exceeded the thresholds were removed.

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

CARMONA RESOURCES



5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached in Appendix A of the original request for closure. 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

Clinton Merritt
Sr. Project Manager

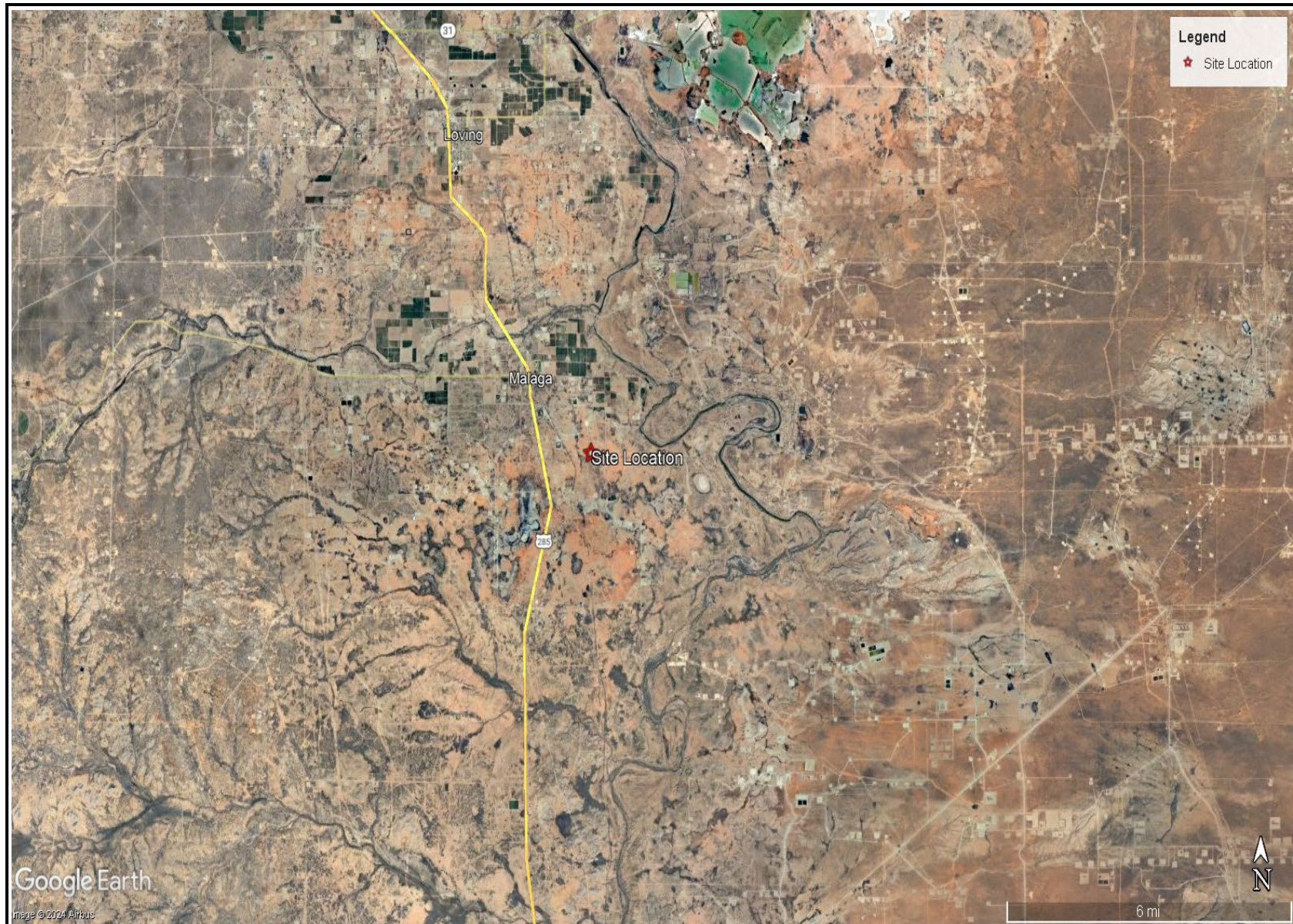
Ashton Thielke
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES

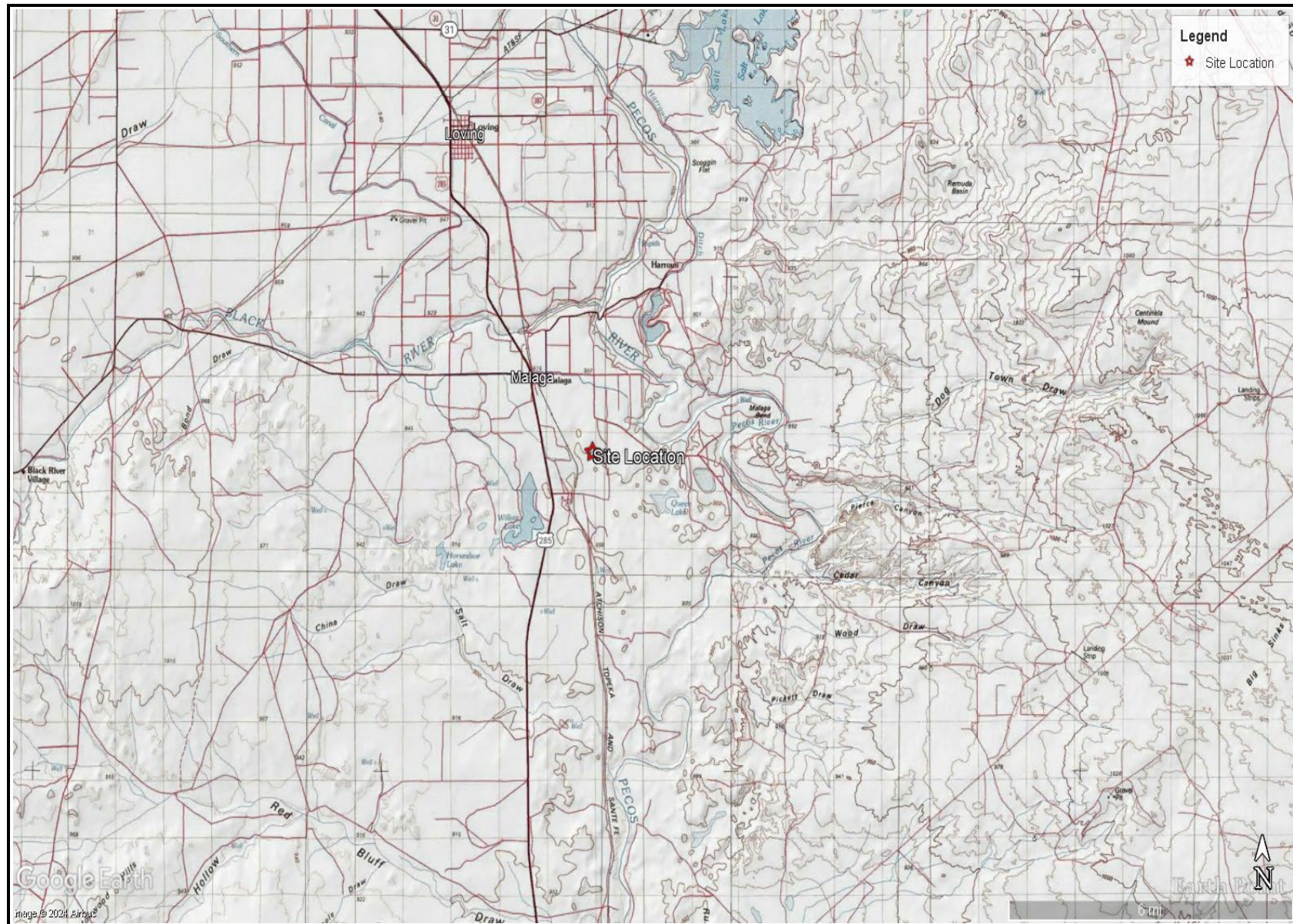




OVERVIEW MAP
MARATHON OIL CORPORATION
FIDDLE FEE 23X 1H
EDDY COUNTY, NEW MEXICO
32.20598677°, -104.0509501°



FIGURE 1



TOPOGRAPHIC MAP
MARATHON OIL CORPORATION
FIDDLE FEE 23X 1H
EDDY COUNTY, NEW MEXICO
32.20598677°, -104.0509501°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Marathin Oil Co.
Fiddle Fee 23X 1H
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	2/7/2024	0-1	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,030
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	201
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	75.3
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.7
	"	4.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	78.2
Refusal												
S-2	2/7/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,970
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	682
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	542
	"	3.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	579
Refusal												
S-3	2/7/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,600
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	467
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	531
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	214
Refusal												
S-4	2/7/2024	0-1	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,130
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,450
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,110
	"	3.0	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,870
Refusal												
S-5	2/7/2024	0-1	<50.2	180	<50.2	180	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,050
	"	1.5	<50.4	94.8	<50.4	94.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	483
	"	2.0	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	453
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,010
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,460
Refusal												
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Table 1
Marathin Oil Co.
Fiddle Fee 23X 1H
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						
H-1	2/7/2024	0-0.5	<50.5	384	<50.5	384	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	459
	4/12/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.76
H-2	2/7/2024	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	123
H-3	2/7/2024	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	205
H-4	2/7/2024	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,540
	3/29/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00293	<0.00199	<0.00398	<0.00398	1,900
	4/12/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-5	2/7/2024	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,310
	3/29/2024	0-0.5	<49.5	<49.5	<49.5	<49.5	<0.00198	0.00402	<0.00198	<0.00396	0.00402	122
H-6	2/7/2024	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	270
H-7	2/7/2024	0-0.5	<50.0	103	<50.0	103	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,220
	3/29/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00376	<0.00200	<0.00400	<0.00400	210
H-8	2/7/2024	0-0.5	<49.8	62.7	<49.8	62.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	9,980
	3/29/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	0.00351	<0.00200	<0.00399	<0.00399	217
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontals

 removed

Table 2
Marathon Oil Co.
Fiddle Fee 23X 1H
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	6/5/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,520
CS-2	6/5/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,560
CS-3	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,450
CS-4	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,710
CS-5	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,130
CS-6	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,950
CS-7	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,950
CS-8	6/5/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,630
CS-9	6/5/2024	1.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,130
CS-10	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,320
CS-11	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,660
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Table 2
Marathon Oil Co.
Fiddle Fee 23X 1H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	107
SW-2	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	328
SW-3	6/5/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	301
SW-4	6/5/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	182
SW-5	6/5/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	66.4
SW-6	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	201
SW-7	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	86.3
SW-8	6/5/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	245
SW-9	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	38.5
SW-10	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135
SW-11	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	49.3
SW-12	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	590
SW-13	6/5/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	281
SW-14	6/5/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	386
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View West of facility sign.



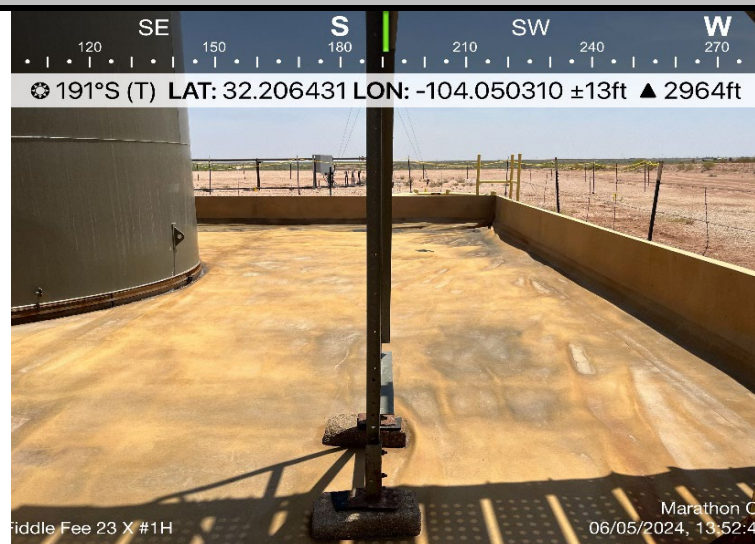
Photograph No. 2

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View South of lined facility.



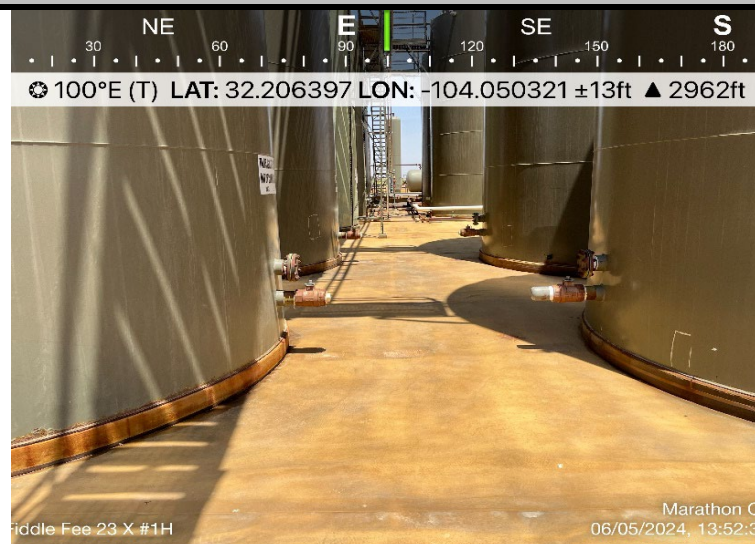
Photograph No. 3

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View East of lined facility.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 4

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Southeast of lined facility.



Photograph No. 5

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Southwest of lined facility.



Photograph No. 6

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Southwest of lined facility.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

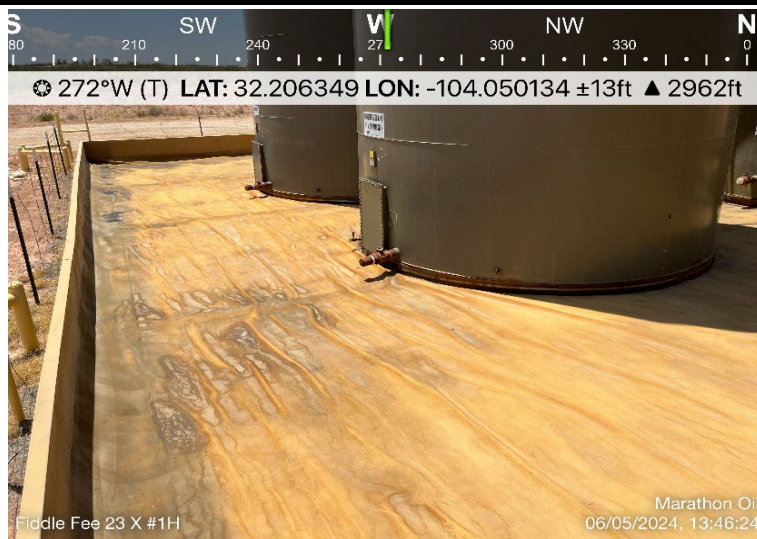
Photograph No. 7

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View West of lined facility.



Photograph No. 8

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Northeast of lined facility.



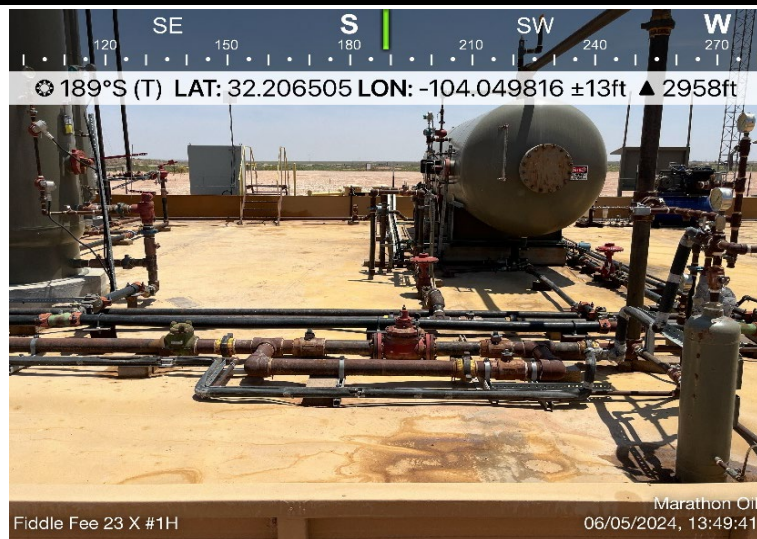
Photograph No. 9

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View South of lined facility.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 10

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View East of point of release and sample points CS-1 through CS-7.



Photograph No. 11

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View East of sample point CS-1 and the point of release.



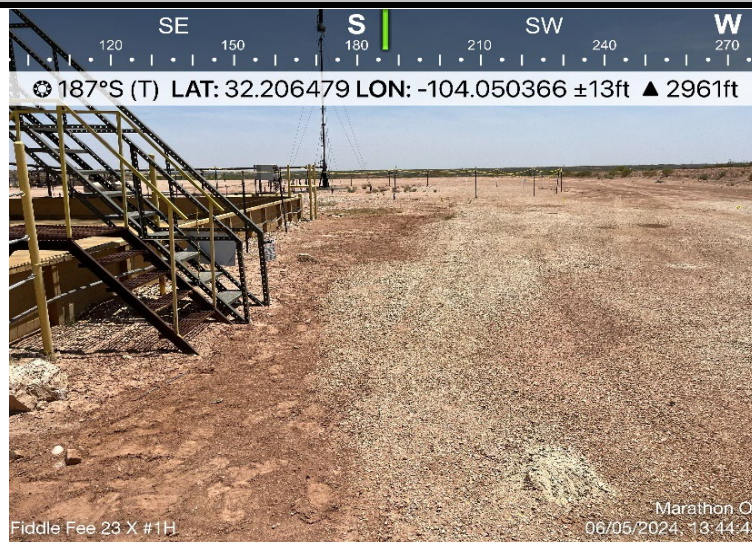
Photograph No. 12

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View South of sample points CS-1 through CS-7.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

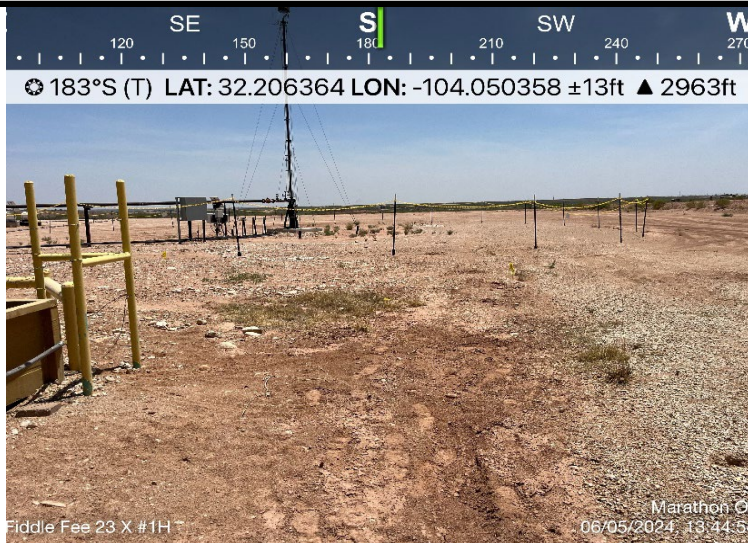
Photograph No. 13

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View South of sample point CS-11.



Photograph No. 14

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Northeast of sample points CS-8 through CS-11.



Photograph No. 15

Facility: Fiddle Fee 23X 1H

County: Eddy County, New Mexico

Description:

View Southwest of groundwater determination bore.



APPENDIX C

CARMONA RESOURCES



OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	310180	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , FIDDLE FEE 23 X #001H , nAPP2403152749		
Status:	APPROVED		
Status Date:	03/06/2024		
References (2):	30-015-44094, nAPP2403152749		

Forms

Attachments: [Volume Calculation](#)

Questions

Prerequisites

Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source

Please answer all the questions in this group.

Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

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.
-----------------------------------	---------------

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.*

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: Isaac Castro
Email: icastro@marathonoil.com
Date: 02/05/2024

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.

Comments

No comments found for this submission.

Conditions

Summary: scwells (3/6/2024), None

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Liner Inspection (C-141L) Application

Submission Information

Submission ID:	311821	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , FIDDLE FEE 23 X #001H , nAPP2403152749		
Status:	APPROVED		
Status Date:	02/06/2024		
References (2):	30-015-44094, nAPP2403152749		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source

Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

Liner Inspection Event Information

Please answer all the questions in this group.

What is the liner inspection surface area in square feet	12,978
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/07/2024
Time liner inspection will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting liner inspection.	
Please provide any information necessary for observers to liner inspection	Clinton Merritt (432) 813- 9044
Please provide any information necessary for navigation to liner inspection site	From the intersection of CR 746 and CR 721, travel south of CR 721 for 0.59 miles. Turn left (west) onto unmarked lease road and travel 0.27 miles. Turn right (north) onto well pad. Job site is on the east side of the battery

Acknowledgments

This submission type does not have acknowledgments, at this time.

Conditions

Summary: *icastro* (2/6/2024). Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.

Reasons

No reasons found for this submission.

Go Back

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Liner Inspection (C-141L) Application

Submission Information

Submission ID:	311821	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , FIDDLE FEE 23 X #001H , nAPP2403152749		
Status:	APPROVED		
Status Date:	02/06/2024		
References (2):	30-015-44094, nAPP2403152749		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source

Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

Liner Inspection Event Information

Please answer all the questions in this group.

What is the liner inspection surface area in square feet	12,978
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/07/2024
Time liner inspection will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting liner inspection.	
Please provide any information necessary for observers to liner inspection	Clinton Merritt (432) 813- 9044
Please provide any information necessary for navigation to liner inspection site	From the intersection of CR 746 and CR 721, travel south of CR 721 for 0.59 miles. Turn left (west) onto unmarked lease road and travel 0.27 miles. Turn right (north) onto well pad. Job site is on the east side of the battery

Acknowledgments

This submission type does not have acknowledgments, at this time.

Conditions

Summary: *icastro* (2/6/2024). Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.

Reasons

No reasons found for this submission.

Go Back

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Liner Inspection (C-141L) Application

Submission Information

Submission ID:	348660	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , FIDDLE FEE 23 X #001H , nAPP2403152749		
Status:	APPROVED		
Status Date:	05/30/2024		
References (2):	30-015-44094, nAPP2403152749		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source

Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

Liner Inspection Event Information

Please answer all the questions in this group.

What is the liner inspection surface area in square feet	12,978
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	06/05/2024
Time liner inspection will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting liner inspection.	
Please provide any information necessary for observers to liner inspection	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to liner inspection site	From the intersection of CR 746 and CR 721, travel south of CR 721 for 0.59 miles. Turn left (west) onto unma and travel 0.27 miles. Turn right (north) onto well pad. Job site is on the east side of the battery

Comments

No comments found for this submission.

Conditions

Summary: icaastro (5/30/2024), Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.

Reasons

No reasons found for this submission.

Fees

No fees found for this submission.

Go Back

OCD Permitting

HomeOperator DataAction StatusAction Search ResultsAction Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	348662	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , FIDDLE FEE 23 X #001H , nAPP2403152749		
Status:	APPROVED		
Status Date:	05/30/2024		
References (2):	30-015-44094, nAPP2403152749		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source

Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to sampling site	From the intersection of CR 746 and CR 721, travel south of CR 721 for 0.59 miles. Turn left (west) onto unma and travel 0.27 miles. Turn right (north) onto well pad. Job site is on the east side of the battery

SearchesOperator DataHearing Fee Application

Comments

No comments found for this submission.

Conditions

Summary: icastror (5/30/2024), 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.

Reasons

No reasons found for this submission.

Go Back

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD HomeOCD Main PageOCD RulesHelp

APPENDIX D

CARMONA RESOURCES



Nearest water well

Marathon Oil Permian LLC

Legend

- 0.05 Miles
- 0.50 Mile Radius
- 0.74 Miles
- 0.76 Miles
- 0.90 Miles
- 0.96 Miles
- Fiddle Fee 23X 1H (01.31.2024)
- Groundwater Determination Bore
- NMSEO Water Well



Medium Karst

Marathon Oil Permian LLC

Legend

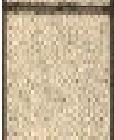
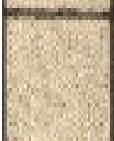
- Fiddle Fee 23X 1H (01.31.2024)
- Medium

Fiddle Fee 23X 1H (01.31.2024)





Project Name :	Fiddle Fee 23X 1H	Date :	Wednesday, March 13, 2024
Project No. :	2261	Sampler :	Jim Hawley
Location :	Eddy County, New Mexico	Driller :	H&R Enterprises, LLC
Coordinates :	32.205480°, -104.050455°	Method :	Air Rotary
Elevation (ft) :	2,955		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Light brown, loose sand with 25% small angular, well cemented gravel, with caliche, dry (SP).		50		(50'-51') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).	
5		(5') - Light brown, loose sand with 25% small angular, well cemented gravel, with caliche, dry (SP).		55			
10		(10') - Light brown sandy clay with 50% large gypsum fragments (SP).		60			
15		(15') - Dark brown dry sandy clay (SM).		65			
20		(20') - Dark brown dry sandy clay (SM).		70			
25		(25') - Dark brown dry sandy clay (SM).		75			
30		(30') - Dark brown dry sandy clay (SM).		80			
35		(35') - Dark brown dry sandy clay (SM).		85			
40		(40') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).		90			
45		(45') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).		95			
50				105			

Comments : (3/13/24) Boring terminated at 51.0' with no presence of groundwater or moisture. (3/18/24) Bore measured at 51.0' using Heron Groundwater Meter, no detection of moisture inside bore.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD	basin	County	Q Q Q						X	Y	Distance	Depth Well	Depth Water	Water Column	
	Sub-Code			64	16	4	Sec	Tws	Rng							
C 03833 POD1	C	ED	2	1	2	26	24S	28E	589014	3562545		1196	96	55	41	
C 02057	C	ED		1	4	14	24S	28E	588956	3564774*		1213	126	52	74	
C 04180 POD1	CUB	ED	2	1	2	26	24S	28E	589055	3562502		1222	160	58	102	
C 00353	C	CUB	ED		3	4	13	24S	28E	590603	3564367*		1357	2726		
C 04263 POD1	CUB	ED	3	1	1	23	24S	28E	588026	3563915		1439	390	370	20	
C 04026 POD1	CUB	ED	3	2	1	25	24S	28E	590148	3562290		1542	190	90	100	
C 04294 POD1	CUB	ED	4	3	3	23	24S	28E	588169	3562646		1629	60			
C 04151 POD1	CUB	ED	4	2	1	26	24S	28E	588584	3562192		1702	280	65	215	
C 00354	C	CUB	ED		4	4	13	24S	28E	591005	3564367*		1713	2739		
C 04222 POD2	CUB	ED	1	2	4	22	24S	28E	587707	3563255		1782	100	40	60	
C 04181 POD2	C	ED	3	2	1	26	24S	28E	588393	3562212		1789	80	56	24	
C 04181 POD1	CUB	ED	3	2	1	26	24S	28E	588450	3562146		1811	280	56	224	
C 00738	CUB	ED	3	1	1	13	24S	28E	589673	3565472*		1824	125	12	113	
C 03423	CUB	ED	2	4	1	26	24S	28E	588786	3561952		1831	126			
C 03358 POD1	CUB	ED	1	4	1	26	24S	28E	588416	3562116		1856	135			
C 00750	CUB	ED	1	2	4	13	24S	28E	590898	3564871*		1891	110			
C 03986 POD1	CUB	ED	3	4	2	22	24S	28E	587505	3563502		1944	170	120	50	
C 00903	C	ED		2	1	13	24S	28E	590178	3565575*		2049	57	30	27	
C 00464	CUB	ED	2	2	1	13	24S	28E	590277	3565674*		2178	111	28	83	
C 03132	C	ED	1	2	4	15	24S	28E	587616	3564877*		2194	90	19	71	
C 02244	C	LE	3	1	2	22	24S	28E	587224	3563865*		2228	260			
C 00349	C	CUB	ED		1	3	18	24S	29E	591401	3564773*		2251	2734		
C 00329	C	ED	2	1	2	13	24S	28E	590682	3565677*		2365	95	30	65	
C 00684	CUB	ED	2	1	2	13	24S	28E	590682	3565677*		2365	95	40	55	
C 01154	C	ED	2	1	2	13	24S	28E	590682	3565677*		2365	95	50	45	
C 00574	CUB	ED	2	4	4	11	24S	28E	589452	3566081*		2419	200	20	180	

*UTM location was derived from PLSS - see Help

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 00346	C		ED	2	2	15	24S	28E		587715	3565591*	2589	90	32	58
C 02524 POD2	C		ED	2	2	2	15	24S	28E	587814	3565690*	2601	90	11	79
C 00618	C		ED	3	4	4	12	24S	28E	590880	3565885*	2647	80	40	40
C 04383 POD1	CUB		ED	4	1	2	15	24S	28E	587389	3565499	2755	34	19	15
C 00983	C		ED	4	4	4	12	24S	28E	591080	3565885*	2760	92	40	52
C 04382 POD1	CUB		ED	2	1	2	15	24S	28E	587401	3565647	2848	48	35	13
C 00488	C		ED	2	1	2	15	24S	28E	587412	3565688*	2868	64	8	56
C 01747	CUB		ED				12	24S	28E	590367	3566577*	3057	176	139	37
C 01082	CUB		ED	3	3	2	11	24S	28E	588832	3566693*	3091	120		
C 00890	CUB		ED	3	3	4	10	24S	28E	587211	3565897*	3158	50		
C 02713	CUB		ED	4	4	1	16	24S	29E	591633	3565944	3163	230	18	212
C 00381	C	CUB	ED	3	2	3	07	24S	29E	591682	3566297*	3457	2797		
C 00857	CUB		ED	3	1	4	30	24S	29E	592135	3561440*	3490	306		
C 00856	CUB		ED	1	2	4	30	24S	29E	592538	3561644*	3694	380		
C 00862	CUB		ED	1	2	4	30	24S	29E	592538	3561644*	3694	155		
C 00962	C		ED	3	3	10	24S	28E		586505	3565992*	3749	63	9	54
C 03862 POD5	CUB		ED	4	3	3	01	24S	28E	589785	3567458	3812	17	10	7
C 02836	C		ED	2	2	2	16	24S	28E	586203	3565676*	3814		15	
C 03862 POD4	CUB		ED	3	3	3	01	24S	28E	589705	3567490	3837	30	10	20
C 03862 POD3	CUB		ED	3	3	3	01	24S	28E	589685	3567500	3846	60	10	50
C 04025 POD1	CUB		ED	4	3	3	27	24S	28E	586700	3560964	3847	190	90	100
C 03862 POD1	CUB		ED	3	3	3	01	24S	28E	589672	3567505	3850	17	10	7
C 03862 POD2	CUB		ED	3	3	3	01	24S	28E	589665	3567507	3851	30	10	20
C 04222 POD1	CUB		ED	1	3	3	27	24S	28E	586406	3561228	3891	140	35	105

*UTM location was derived from PLSS - see Help

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

Average Depth to Water: 48 feet
Minimum Depth: 8 feet
Maximum Depth: 370 feet

Record Count: 50

UTMNAD83 Radius Search (in meters):

Easting (X): 589443 Northing (Y): 3563662 Radius: 4000



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03833 POD1	2	1	2	26	24S	28E	589014	3562545 
Driller License:	1229	Driller Company:		CARTER'S WELL DRILLING					
Driller Name:	CARTER, RICHARD M								
Drill Start Date:	02/19/2015	Drill Finish Date:		03/06/2015		Plug Date:			
Log File Date:	03/23/2015	PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		450 GPM	
Casing Size:	6.00	Depth Well:		96 feet		Depth Water:		55 feet	
Water Bearing Stratifications:		Top	Bottom	Description					
		55	96	Limestone/Dolomite/Chalk					
Casing Perforations:		Top	Bottom						
		56	96						

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.

9/14/23 1:13 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04180 POD1	2	1	2	26	24S	28E	589055	3562502

x

Driller License:

1706

Driller Company:

ELITE DRILLERS CORPORATION

Driller Name:

WALLACE, BRYCE J.

Drill Start Date:

01/08/2018

Drill Finish Date:

01/10/2018

Plug Date:

Log File Date:

01/31/2018

PCW Rev Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

100 GPM

Casing Size:

9.00

Depth Well:

160 feet

Depth Water:

58 feet

x

Water Bearing Stratifications:

Top

Bottom

Description

20

100

Limestone/Dolomite/Chalk

100

160

Limestone/Dolomite/Chalk

x

Casing Perforations:

Top

Bottom

40

160

x

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.

9/14/23 1:14 PM

POINT OF DIVERSION SUMMARY

nmwrrs.ose.state.nm.us/nmwrrs/ReportDispatcher?type=PODHTML&name=PodGroundSummaryHTML.jrxml&basin=C&nbr=04180&suffix=POD1

Released to Imaging: 6/23/2024 11:18:25 AM

1/1



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04263 POD1	3	1	1	23	24S	28E	588026	3563915 
x									
Driller License:		1690		Driller Company:		VISION RESOURCES, INC			
Driller Name:		JASON MALEY							
Drill Start Date:		09/12/2018		Drill Finish Date:		09/13/2018		Plug Date:	
Log File Date:		10/04/2018		PCW Rev Date:				Source: Shallow	
Pump Type:				Pipe Discharge Size:				Estimated Yield: 300 GPM	
Casing Size:		8.00		Depth Well:		390 feet		Depth Water: 370 feet	
x									
Water Bearing Stratifications:				Top	Bottom	Description			
				350	390	Other/Unknown			
x									
Casing Perforations:				Top	Bottom				
				290	390				
x									

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.



New Mexico Office of the State Engineer

Point of Diversion Summary

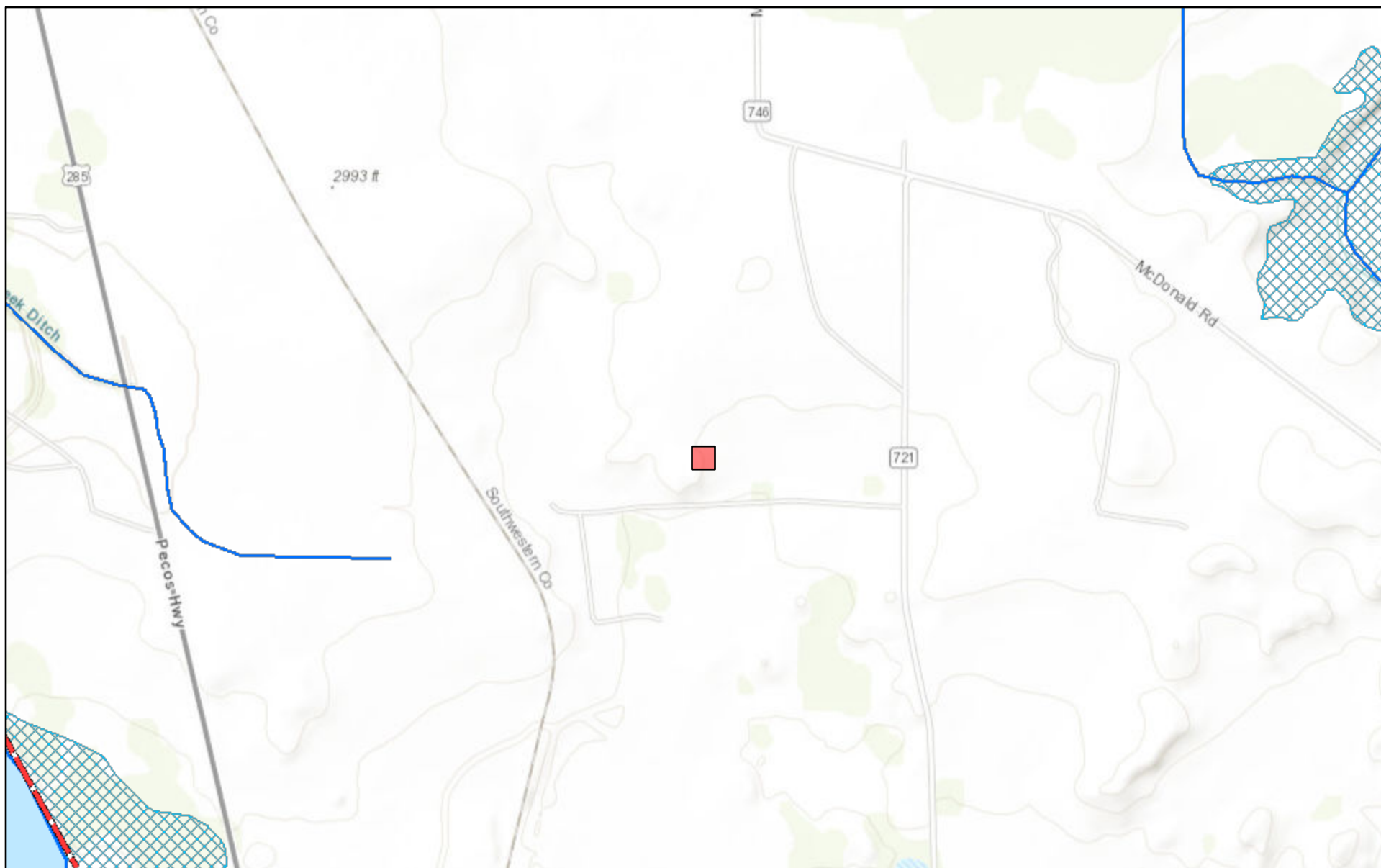
		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04026 POD1	3	2	1	25	24S	28E	590148	3562290
Driller License: 331		Driller Company:		SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.					
Driller Name:									
Drill Start Date:	04/25/2017	Drill Finish Date:	04/26/2017		Plug Date:				
Log File Date:	05/16/2017	PCW Rev Date:			Source: Shallow				
Pump Type:		Pipe Discharge Size:			Estimated Yield:				
Casing Size:	8.60	Depth Well:	190 feet		Depth Water: 90 feet				
Water Bearing Stratifications:		Top	Bottom	Description					
		120	190	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		88	190						

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.

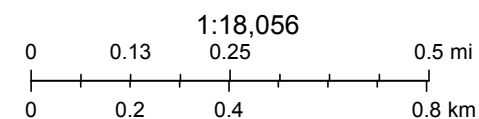
9/14/23 1:16 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



September 14, 2023



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

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

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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2024 1:08:42 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County ,NM

JOB NUMBER

880-39146-1

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
2/20/2024 1:08:42 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39146-1
SDG: Eddy County ,NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	17
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	23

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-39146-1

Job ID: 880-39146-1

Eurofins Midland

Job Narrative 880-39146-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-39146-1), S-1 (1.5') (880-39146-2), S-1 (2') (880-39146-3), S-1 (3') (880-39146-4) and S-1 (4') (880-39146-5).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-73254 and analytical batch 880-73429 recovered outside control limits for the following analytes: Ethylbenzene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73254 and analytical batch 880-73429 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72729 and analytical batch 880-73314 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-39146-1) and (890-6119-A-1-B). 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.

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: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-1
Matrix: Solid

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		02/15/24 12:30	02/19/24 13:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:30	02/19/24 13:26	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/15/24 12:30	02/19/24 13:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:30	02/19/24 13:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:30	02/19/24 13:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:30	02/19/24 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				02/15/24 12:30	02/19/24 13:26	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/15/24 12:30	02/19/24 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/19/24 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	<50.5	U	50.5		mg/Kg			02/16/24 22:35	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	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/16/24 22:35	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/16/24 22:35	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/16/24 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				02/09/24 11:20	02/16/24 22:35	1
o-Terphenyl	114		70 - 130				02/09/24 11:20	02/16/24 22:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7030		49.8		mg/Kg			02/12/24 08:11	10

Client Sample ID: S-1 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-2
Matrix: Solid

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		02/15/24 12:30	02/19/24 13:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 13:47	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/15/24 12:30	02/19/24 13:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:30	02/19/24 13:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 13:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:30	02/19/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				02/15/24 12:30	02/19/24 13:47	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/15/24 12:30	02/19/24 13:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-39146-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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			02/19/24 13:47	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			02/16/24 22:57	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		02/09/24 11:20	02/16/24 22:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/16/24 22:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/16/24 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				02/09/24 11:20	02/16/24 22:57	1
o-Terphenyl	103		70 - 130				02/09/24 11:20	02/16/24 22:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		5.02		mg/Kg			02/12/24 08:24	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-39146-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 14:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 14:07	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		02/15/24 12:30	02/19/24 14:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/24 12:30	02/19/24 14:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 14:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/24 12:30	02/19/24 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				02/15/24 12:30	02/19/24 14:07	1
1,4-Difluorobenzene (Surr)	106		70 - 130				02/15/24 12:30	02/19/24 14:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/19/24 14:07	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			02/16/24 23:19	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	<49.7	U	49.7		mg/Kg		02/09/24 11:20	02/16/24 23:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/24 11:20	02/16/24 23:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-3
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)	<49.7	U	49.7		mg/Kg		02/09/24 11:20	02/16/24 23:19	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130				02/09/24 11:20	02/16/24 23:19	1	
o-Terphenyl	102		70 - 130				02/09/24 11:20	02/16/24 23:19	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	75.3		5.00		mg/Kg			02/12/24 08:29	1	

Client Sample ID: S-1 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/24 12:30	02/19/24 14:28	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130				02/15/24 12:30	02/19/24 14:28	1	
1,4-Difluorobenzene (Surr)	106		70 - 130				02/15/24 12:30	02/19/24 14:28	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			02/19/24 14:28	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			02/16/24 23:41	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		02/09/24 11:20	02/16/24 23:41	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/24 11:20	02/16/24 23:41	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/24 11:20	02/16/24 23:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130				02/09/24 11:20	02/16/24 23:41	1	
o-Terphenyl	98		70 - 130				02/09/24 11:20	02/16/24 23:41	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	56.7		5.01		mg/Kg			02/12/24 08:34	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (4')

Lab Sample ID: 880-39146-5

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 14:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 14:48	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		02/15/24 12:30	02/19/24 14:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 14:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 14:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/15/24 12:30	02/19/24 14:48	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/15/24 12:30	02/19/24 14:48	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			02/19/24 14:48	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			02/17/24 00:04	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		02/09/24 11:20	02/17/24 00:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/24 11:20	02/17/24 00:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/24 11:20	02/17/24 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/09/24 11:20	02/17/24 00:04	1
o-Terphenyl	90		70 - 130	02/09/24 11:20	02/17/24 00:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.2		5.05		mg/Kg			02/12/24 08:38	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

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)
880-39134-A-1-C MS	Matrix Spike	103	92
880-39134-A-1-D MSD	Matrix Spike Duplicate	100	93
880-39146-1	S-1 (0-1')	123	103
880-39146-2	S-1 (1.5')	127	111
880-39146-3	S-1 (2')	116	106
880-39146-4	S-1 (3')	117	106
880-39146-5	S-1 (4')	125	104
LCS 880-73254/1-A	Lab Control Sample	113	97
LCSD 880-73254/2-A	Lab Control Sample Dup	119	100
MB 880-73254/5-A	Method Blank	128	119
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)
880-39146-1	S-1 (0-1')	131 S1+	114
880-39146-2	S-1 (1.5')	122	103
880-39146-3	S-1 (2')	122	102
880-39146-4	S-1 (3')	117	98
880-39146-5	S-1 (4')	108	90
890-6119-A-1-C MS	Matrix Spike	128	95
890-6119-A-1-D MSD	Matrix Spike Duplicate	119	89
LCS 880-72729/2-A	Lab Control Sample	105	117
LCSD 880-72729/3-A	Lab Control Sample Dup	106	107
MB 880-72729/1-A	Method Blank	271 S1+	242 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73254/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				02/15/24 12:30	02/19/24 11:56	1
1,4-Difluorobenzene (Surr)	119		70 - 130				02/15/24 12:30	02/19/24 11:56	1

Lab Sample ID: LCS 880-73254/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1110		mg/Kg		111	70 - 130	
Toluene		0.100	0.09955		mg/Kg		100	70 - 130	
Ethylbenzene		0.100	0.1272		mg/Kg		127	70 - 130	
m-Xylene & p-Xylene		0.200	0.2184		mg/Kg		109	70 - 130	
o-Xylene		0.100	0.1054		mg/Kg		105	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-73254/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73429							Prep Batch: 73254			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1163		mg/Kg		116	70 - 130	5	35
Toluene		0.100	0.1080		mg/Kg		108	70 - 130	8	35
Ethylbenzene		0.100	0.1305	*+	mg/Kg		131	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.2215		mg/Kg		111	70 - 130	1	35
o-Xylene		0.100	0.09614		mg/Kg		96	70 - 130	9	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	119		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-39134-A-1-C MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.06524	F1	mg/Kg		65	70 - 130
Toluene	<0.00199	U F1	0.100	0.05746	F1	mg/Kg		57	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

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

Lab Sample ID: 880-39134-A-1-C MS
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U *+ F1	0.100	0.05454	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09031	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05023	F1	mg/Kg		50	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

Lab Sample ID: 880-39134-A-1-D MSD
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.06116	F1	mg/Kg		61	70 - 130	6	35
Toluene	<0.00199	U F1	0.101	0.05469	F1	mg/Kg		54	70 - 130	5	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.04586	F1	mg/Kg		46	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.08252	F1	mg/Kg		41	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.101	0.04045	F1	mg/Kg		40	70 - 130	22	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-72729/1-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72729

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		02/09/24 11:20	02/16/24 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:20	02/16/24 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:20	02/16/24 19:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	271	S1+	70 - 130						
o-Terphenyl	242	S1+	70 - 130						

Lab Sample ID: LCS 880-72729/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	930.8		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

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

Lab Sample ID: LCS 880-72729/2-A

Matrix: Solid

Analysis Batch: 73314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72729

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-72729/3-A

Matrix: Solid

Analysis Batch: 73314

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72729

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	956.9		mg/Kg		96	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-6119-A-1-C MS

Matrix: Solid

Analysis Batch: 73314

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 72729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1139		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	1010	1333		mg/Kg		129	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-6119-A-1-D MSD

Matrix: Solid

Analysis Batch: 73314

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 72729

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	<50.2	U	1010	1006		mg/Kg		95	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1010	1241		mg/Kg		120	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	89		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72674/1-A Matrix: Solid Analysis Batch: 72836										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			02/12/24 07:56	1		

Lab Sample ID: LCS 880-72674/2-A Matrix: Solid Analysis Batch: 72836										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-72674/3-A Matrix: Solid Analysis Batch: 72836										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	234.5		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-39146-1 MS Matrix: Solid Analysis Batch: 72836										Client Sample ID: S-1 (0-1') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7030		2490	9564		mg/Kg		102	90 - 110		

Lab Sample ID: 880-39146-1 MSD Matrix: Solid Analysis Batch: 72836										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 Limit
Chloride	7030		2490	9623		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

GC VOA

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	5035	
880-39146-2	S-1 (1.5')	Total/NA	Solid	5035	
880-39146-3	S-1 (2')	Total/NA	Solid	5035	
880-39146-4	S-1 (3')	Total/NA	Solid	5035	
880-39146-5	S-1 (4')	Total/NA	Solid	5035	
MB 880-73254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	8021B	73254
880-39146-2	S-1 (1.5')	Total/NA	Solid	8021B	73254
880-39146-3	S-1 (2')	Total/NA	Solid	8021B	73254
880-39146-4	S-1 (3')	Total/NA	Solid	8021B	73254
880-39146-5	S-1 (4')	Total/NA	Solid	8021B	73254
MB 880-73254/5-A	Method Blank	Total/NA	Solid	8021B	73254
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	8021B	73254
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73254
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73254
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73254

Analysis Batch: 73672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-39146-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-39146-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-39146-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-39146-5	S-1 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-39146-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-39146-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-39146-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-39146-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
MB 880-72729/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72729/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6119-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6119-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	8015B NM	72729
880-39146-2	S-1 (1.5')	Total/NA	Solid	8015B NM	72729

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

GC Semi VOA (Continued)

Analysis Batch: 73314 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-3	S-1 (2')	Total/NA	Solid	8015B NM	72729
880-39146-4	S-1 (3')	Total/NA	Solid	8015B NM	72729
880-39146-5	S-1 (4')	Total/NA	Solid	8015B NM	72729
MB 880-72729/1-A	Method Blank	Total/NA	Solid	8015B NM	72729
LCS 880-72729/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72729
LCSD 880-72729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72729
890-6119-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72729
890-6119-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72729

Analysis Batch: 73532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-39146-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-39146-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-39146-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-39146-5	S-1 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-39146-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-39146-3	S-1 (2')	Soluble	Solid	DI Leach	
880-39146-4	S-1 (3')	Soluble	Solid	DI Leach	
880-39146-5	S-1 (4')	Soluble	Solid	DI Leach	
MB 880-72674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39146-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-39146-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 72836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39146-1	S-1 (0-1')	Soluble	Solid	300.0	72674
880-39146-2	S-1 (1.5')	Soluble	Solid	300.0	72674
880-39146-3	S-1 (2')	Soluble	Solid	300.0	72674
880-39146-4	S-1 (3')	Soluble	Solid	300.0	72674
880-39146-5	S-1 (4')	Soluble	Solid	300.0	72674
MB 880-72674/1-A	Method Blank	Soluble	Solid	300.0	72674
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	300.0	72674
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72674
880-39146-1 MS	S-1 (0-1')	Soluble	Solid	300.0	72674
880-39146-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	72674

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-1
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			4.97 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73672	02/19/24 13:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			73532	02/16/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 08:11	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-2
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			4.96 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73672	02/19/24 13:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			73532	02/16/24 22:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 22:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		1			72836	02/12/24 08:24	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-3
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			5.04 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73672	02/19/24 14:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			73532	02/16/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		1			72836	02/12/24 08:29	CH	EET MID

Client Sample ID: S-1 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-4
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			5.01 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73672	02/19/24 14:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Client Sample ID: S-1 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-4
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			73532	02/16/24 23:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 23:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		1			72836	02/12/24 08:34	CH	EET MID

Client Sample ID: S-1 (4')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39146-5
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	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73672	02/19/24 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			73532	02/17/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 00:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		1			72836	02/12/24 08:38	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: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

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: Fiddle Fee 23X 1H

Job ID: 880-39146-1
SDG: Eddy County ,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39146-1	S-1 (0-1')	Solid	02/07/24 00:00	02/08/24 15:23
880-39146-2	S-1 (1.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39146-3	S-1 (2')	Solid	02/07/24 00:00	02/08/24 15:23
880-39146-4	S-1 (3')	Solid	02/07/24 00:00	02/08/24 15:23
880-39146-5	S-1 (4')	Solid	02/07/24 00:00	02/08/24 15:23

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



380-39146 Chain of Custody

Page 1 of 1

Work Order Comments		Page <u> </u> of <u> </u>
Program:	UST/PST ☐ PRP ☐ rownfields ☐ IRC ☐ perfund ☐	
SState of Project:		
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐		
Deliverables, EDD ☐ ADaPT ☐ Other ☐		

Project Manager	Clinton Merritt		Bill to (if different)	Isaac Castro
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	icastro@marathonoil.com

[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
	2-8-24		02-08-24
			3:203

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39146-1
SDG Number: Eddy County ,NM

Login Number: 39146

List Number: 1

Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/21/2024 12:33:41 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-39147-1

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
2/21/2024 12:33:41 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	26

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County,New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
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: Fiddle Fee 23X 1H

Job ID: 880-39147-1

Job ID: 880-39147-1

Eurofins Midland

Job Narrative
880-39147-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-2 (0-1') (880-39147-1), S-2 (1.5') (880-39147-2), S-2 (2') (880-39147-3) and S-2 (3') (880-39147-4).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-73254 and analytical batch 880-73429 recovered outside control limits for the following analytes: Ethylbenzene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73254 and analytical batch 880-73429 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: Surrogate recovery for the following samples were outside control limits: (MB 880-73272/5-A) and (880-39246-A-21-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (1.5') (880-39147-2), (MB 880-73562/5-A), (880-39535-A-1-E), (880-39535-A-1-C MS) and (880-39535-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-73272/1-A), (LCS 880-73562/1-A), (LCSD 880-73272/2-A), (LCSD 880-73562/2-A), (880-39246-A-21-G MS) and (880-39246-A-21-H MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 recovered above the upper control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-73428/2).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-73428/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-73428/33).

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72728 and analytical batch

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-39147-1

Job ID: 880-39147-1 (Continued) Eurofins Midland

880-73314 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (2') (880-39147-3). 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.

HPLC/IC

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

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-1
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		02/15/24 12:30	02/19/24 15:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 15:09	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		02/15/24 12:30	02/19/24 15:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:30	02/19/24 15:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 15:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:30	02/19/24 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				02/15/24 12:30	02/19/24 15:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/15/24 12:30	02/19/24 15:09	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			02/19/24 15:09	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			02/16/24 13:58	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	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				02/09/24 11:16	02/16/24 13:58	1
o-Terphenyl	94		70 - 130				02/09/24 11:16	02/16/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1970		24.9		mg/Kg			02/12/24 08:52	5

Client Sample ID: S-2 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/19/24 15:57	02/20/24 05:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130				02/19/24 15:57	02/20/24 05:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/19/24 15:57	02/20/24 05:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-2
Matrix: Solid

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			02/20/24 05:26	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			02/16/24 14:21	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	<49.6	U	49.6		mg/Kg		02/09/24 11:16	02/16/24 14:21	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/24 11:16	02/16/24 14:21	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/24 11:16	02/16/24 14:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130				02/09/24 11:16	02/16/24 14:21	1	
o-Terphenyl	101		70 - 130				02/09/24 11:16	02/16/24 14:21	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	682		50.3		mg/Kg			02/12/24 08:57	10	

Client Sample ID: S-2 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/24 12:30	02/19/24 17:20	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		70 - 130				02/15/24 12:30	02/19/24 17:20	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				02/15/24 12:30	02/19/24 17:20	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			02/19/24 17:20	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.3	U	50.3		mg/Kg			02/16/24 15:05	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	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 15:05	1	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 15:05	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-39147-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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)	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				02/09/24 11:16	02/16/24 15:05	1
o-Terphenyl	118		70 - 130				02/09/24 11:16	02/16/24 15:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	542		49.7		mg/Kg			02/12/24 09:02	10

Client Sample ID: S-2 (3')

Lab Sample ID: 880-39147-4

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 17:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 17:40	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		02/15/24 12:30	02/19/24 17:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 17:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 17:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/15/24 12:30	02/19/24 17:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/15/24 12:30	02/19/24 17:40	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			02/19/24 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/16/24 15:27	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	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 15:27	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 15:27	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				02/09/24 11:16	02/16/24 15:27	1
o-Terphenyl	97		70 - 130				02/09/24 11:16	02/16/24 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		49.5		mg/Kg			02/12/24 09:06	10

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
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)				
880-39134-A-1-C MS	Matrix Spike	103	92				
880-39134-A-1-D MSD	Matrix Spike Duplicate	100	93				
880-39147-1	S-2 (0-1')	116	101				
880-39147-2	S-2 (1.5')	255 S1+	98				
880-39147-3	S-2 (2')	98	97				
880-39147-4	S-2 (3')	108	100				
880-39535-A-1-C MS	Matrix Spike	144 S1+	72				
880-39535-A-1-D MSD	Matrix Spike Duplicate	156 S1+	77				
LCS 880-73254/1-A	Lab Control Sample	113	97				
LCS 880-73562/1-A	Lab Control Sample	160 S1+	72				
LCSD 880-73254/2-A	Lab Control Sample Dup	119	100				
LCSD 880-73562/2-A	Lab Control Sample Dup	200 S1+	81				
MB 880-73254/5-A	Method Blank	128	119				
MB 880-73272/5-A	Method Blank	152 S1+	83				
MB 880-73562/5-A	Method Blank	195 S1+	122				
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)				
880-39147-1	S-2 (0-1')	109	94				
880-39147-2	S-2 (1.5')	117	101				
880-39147-3	S-2 (2')	138 S1+	118				
880-39147-4	S-2 (3')	112	97				
890-6118-A-1-C MS	Matrix Spike	115	86				
890-6118-A-1-D MSD	Matrix Spike Duplicate	111	84				
LCS 880-72728/2-A	Lab Control Sample	112	115				
LCSD 880-72728/3-A	Lab Control Sample Dup	108	104				
MB 880-72728/1-A	Method Blank	268 S1+	234 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73254/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				02/15/24 12:30	02/19/24 11:56	1
1,4-Difluorobenzene (Surr)	119		70 - 130				02/15/24 12:30	02/19/24 11:56	1

Lab Sample ID: LCS 880-73254/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1110		mg/Kg		111	70 - 130	
Toluene		0.100	0.09955		mg/Kg		100	70 - 130	
Ethylbenzene		0.100	0.1272		mg/Kg		127	70 - 130	
m-Xylene & p-Xylene		0.200	0.2184		mg/Kg		109	70 - 130	
o-Xylene		0.100	0.1054		mg/Kg		105	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-73254/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73429							Prep Batch: 73254			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1163		mg/Kg		116	70 - 130	5	35
Toluene		0.100	0.1080		mg/Kg		108	70 - 130	8	35
Ethylbenzene		0.100	0.1305	*+	mg/Kg		131	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.2215		mg/Kg		111	70 - 130	1	35
o-Xylene		0.100	0.09614		mg/Kg		96	70 - 130	9	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	119		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-39134-A-1-C MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.06524	F1	mg/Kg		65	70 - 130
Toluene	<0.00199	U F1	0.100	0.05746	F1	mg/Kg		57	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39134-A-1-C MS

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U *+ F1	0.100	0.05454	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09031	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05023	F1	mg/Kg		50	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-39134-A-1-D MSD

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.06116	F1	mg/Kg		61	70 - 130	6	35
Toluene	<0.00199	U F1	0.101	0.05469	F1	mg/Kg		54	70 - 130	5	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.04586	F1	mg/Kg		46	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.08252	F1	mg/Kg		41	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.101	0.04045	F1	mg/Kg		40	70 - 130	22	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-73272/5-A

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 14:55	02/19/24 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	02/15/24 14:55	02/19/24 11:50	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/15/24 14:55	02/19/24 11:50	1

Lab Sample ID: MB 880-73562/5-A

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/19/24 15:57	02/20/24 01:29	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-73562/5-A

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130				02/19/24 15:57	02/20/24 01:29	1
1,4-Difluorobenzene (Surr)	122		70 - 130				02/19/24 15:57	02/20/24 01:29	1

Lab Sample ID: LCS 880-73562/1-A

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07684		mg/Kg		77	70 - 130
Toluene	0.100	0.08799		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08306		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.2089		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	72		70 - 130				

Lab Sample ID: LCSD 880-73562/2-A

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73562

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09432		mg/Kg		94	70 - 130	20	35
Toluene	0.100	0.1204		mg/Kg		120	70 - 130	31	35
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130	31	35
m-Xylene & p-Xylene	0.200	0.2422		mg/Kg		121	70 - 130	15	35
o-Xylene	0.100	0.1211		mg/Kg		121	70 - 130	11	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	200	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	81		70 - 130						

Lab Sample ID: 880-39535-A-1-C MS

Matrix: Solid

Analysis Batch: 73428

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U *1	0.101	0.07986		mg/Kg		79	70 - 130
Toluene	<0.00198	U *- *1	0.101	0.08278		mg/Kg		82	70 - 130
Ethylbenzene	<0.00198	U *+ *1	0.101	0.07349		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.2004		mg/Kg		99	70 - 130
o-Xylene	<0.00198	U *+	0.101	0.09723		mg/Kg		96	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39535-A-1-C MS
Matrix: Solid
Analysis Batch: 73428

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73562

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	72		70 - 130

Lab Sample ID: 880-39535-A-1-D MSD
Matrix: Solid
Analysis Batch: 73428

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U *1	0.100	0.07593		mg/Kg		76	70 - 130	5	35
Toluene	<0.00198	U *- *1	0.100	0.09859		mg/Kg		98	70 - 130	17	35
Ethylbenzene	<0.00198	U *+ *1	0.100	0.09501		mg/Kg		95	70 - 130	26	35
m-Xylene & p-Xylene	<0.00396	U *+	0.201	0.2158		mg/Kg		107	70 - 130	7	35
o-Xylene	<0.00198	U *+	0.100	0.09219		mg/Kg		92	70 - 130	5	35
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	77		70 - 130								

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

Lab Sample ID: MB 880-72728/1-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72728

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		02/09/24 11:16	02/16/24 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	268	S1+	70 - 130				02/09/24 11:16	02/16/24 07:45	1
o-Terphenyl	234	S1+	70 - 130				02/09/24 11:16	02/16/24 07:45	1

Lab Sample ID: LCS 880-72728/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	933.5		mg/Kg		93	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	115		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County,New Mexico

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

Lab Sample ID: LCSD 880-72728/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 73314				Prep Batch: 72728							
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1086		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	934.5		mg/Kg		93	70 - 130	0	20
LCSD LCSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: 890-6118-A-1-C MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 73314				Prep Batch: 72728							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	991	989.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1241		mg/Kg		123	70 - 130		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: 890-6118-A-1-D MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 73314				Prep Batch: 72728							
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	<49.8	U	991	961.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1209		mg/Kg		120	70 - 130	3	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	84		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72674/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 72836											
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			02/12/24 07:56	1		

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-72674/2-A				Client Sample ID: Lab Control Sample							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 72836											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-72674/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 72836											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.5		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-39146-A-1-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 72836											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7030		2490	9564		mg/Kg		102	90 - 110		

Lab Sample ID: 880-39146-A-1-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 72836											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7030		2490	9623		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	5035	
880-39147-3	S-2 (2')	Total/NA	Solid	5035	
880-39147-4	S-2 (3')	Total/NA	Solid	5035	
MB 880-73254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 73272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73272/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 73428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-2	S-2 (1.5')	Total/NA	Solid	8021B	73562
MB 880-73272/5-A	Method Blank	Total/NA	Solid	8021B	73272
MB 880-73562/5-A	Method Blank	Total/NA	Solid	8021B	73562
LCS 880-73562/1-A	Lab Control Sample	Total/NA	Solid	8021B	73562
LCSD 880-73562/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73562
880-39535-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73562
880-39535-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73562

Analysis Batch: 73429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	8021B	73254
880-39147-3	S-2 (2')	Total/NA	Solid	8021B	73254
880-39147-4	S-2 (3')	Total/NA	Solid	8021B	73254
MB 880-73254/5-A	Method Blank	Total/NA	Solid	8021B	73254
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	8021B	73254
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73254
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73254
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73254

Prep Batch: 73562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-2	S-2 (1.5')	Total/NA	Solid	5035	
MB 880-73562/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73562/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73562/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39535-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39535-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-39147-2	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-39147-3	S-2 (2')	Total/NA	Solid	Total BTEX	
880-39147-4	S-2 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 72728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-39147-2	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-39147-3	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-39147-4	S-2 (3')	Total/NA	Solid	8015NM Prep	
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	8015B NM	72728
880-39147-2	S-2 (1.5')	Total/NA	Solid	8015B NM	72728
880-39147-3	S-2 (2')	Total/NA	Solid	8015B NM	72728
880-39147-4	S-2 (3')	Total/NA	Solid	8015B NM	72728
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015B NM	72728
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72728
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72728
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72728
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72728

Analysis Batch: 73528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-39147-2	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-39147-3	S-2 (2')	Total/NA	Solid	8015 NM	
880-39147-4	S-2 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Soluble	Solid	DI Leach	
880-39147-2	S-2 (1.5')	Soluble	Solid	DI Leach	
880-39147-3	S-2 (2')	Soluble	Solid	DI Leach	
880-39147-4	S-2 (3')	Soluble	Solid	DI Leach	
MB 880-72674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39146-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-39146-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 72836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39147-1	S-2 (0-1')	Soluble	Solid	300.0	72674
880-39147-2	S-2 (1.5')	Soluble	Solid	300.0	72674
880-39147-3	S-2 (2')	Soluble	Solid	300.0	72674
880-39147-4	S-2 (3')	Soluble	Solid	300.0	72674
MB 880-72674/1-A	Method Blank	Soluble	Solid	300.0	72674
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	300.0	72674

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 72836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72674
880-39146-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	72674
880-39146-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72674

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County,New Mexico

Client Sample ID: S-2 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-1
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			5.05 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 15:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73673	02/19/24 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			73528	02/16/24 13:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 13:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 08:52	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-2
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			5.03 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 05:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73673	02/20/24 05:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			73528	02/16/24 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 14:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 08:57	CH	EET MID

Client Sample ID: S-2 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-3
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			4.99 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73673	02/19/24 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			73528	02/16/24 15:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 15:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:02	CH	EET MID

Client Sample ID: S-2 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-4
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	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73673	02/19/24 17:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39147-4
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			73528	02/16/24 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 15:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:06	CH	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39147-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-39147-1
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: Fiddle Fee 23X 1H

Job ID: 880-39147-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39147-1	S-2 (0-1')	Solid	02/07/24 00:00	02/08/24 15:23
880-39147-2	S-2 (1.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39147-3	S-2 (2')	Solid	02/07/24 00:00	02/08/24 15:23
880-39147-4	S-2 (3')	Solid	02/07/24 00:00	02/08/24 15:23

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



880-39147 Chain of Custody

Page 1 of 1

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

Project Manager	Clinton Merritt	Bill to (if different)	Isaac Castro
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	icastro@marathonoil.com

[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
			07-08-24
			3-7-23

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39147-1

SDG Number: Eddy County, New Mexico

Login Number: 39147

List Number: 1

Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2024 1:09:45 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-39148-1

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
2/20/2024 1:09:45 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County,New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: Fiddle Fee 23X 1H

Job ID: 880-39148-1

Job ID: 880-39148-1

Eurofins Midland

Job Narrative 880-39148-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-3 (0-1') (880-39148-1), S-3 (1.5') (880-39148-2), S-3 (2') (880-39148-3) and S-3 (3') (880-39148-4).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-73254 and analytical batch 880-73429 recovered outside control limits for the following analytes: Ethylbenzene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73254 and analytical batch 880-73429 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72728 and analytical batch 880-73314 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: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-39148-1

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 18:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 18:01	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		02/15/24 12:30	02/19/24 18:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 18:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 18:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/15/24 12:30	02/19/24 18:01	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/15/24 12:30	02/19/24 18:01	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			02/19/24 18:01	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			02/16/24 15:49	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		02/09/24 11:16	02/16/24 15:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/24 11:16	02/16/24 15:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/24 11:16	02/16/24 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	02/09/24 11:16	02/16/24 15:49	1
o-Terphenyl	104		70 - 130	02/09/24 11:16	02/16/24 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		49.5		mg/Kg			02/12/24 09:11	10

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-39148-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:22	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/15/24 12:30	02/19/24 18:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/15/24 12:30	02/19/24 18:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-39148-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/19/24 18:22	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			02/16/24 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	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				02/09/24 11:16	02/16/24 16:11	1
o-Terphenyl	101		70 - 130				02/09/24 11:16	02/16/24 16:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		50.5		mg/Kg			02/12/24 09:15	10

Client Sample ID: S-3 (2')

Lab Sample ID: 880-39148-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:42	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				02/15/24 12:30	02/19/24 18:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/15/24 12:30	02/19/24 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/19/24 18:42	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			02/16/24 16:32	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	<49.7	U	49.7		mg/Kg		02/09/24 11:16	02/16/24 16:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/24 11:16	02/16/24 16:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-3
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)	<49.7	U	49.7		mg/Kg		02/09/24 11:16	02/16/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				02/09/24 11:16	02/16/24 16:32	1
o-Terphenyl	98		70 - 130				02/09/24 11:16	02/16/24 16:32	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	531		49.9		mg/Kg			02/12/24 09:29	10

Client Sample ID: S-3 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-4
Matrix: Solid

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		02/15/24 12:30	02/19/24 19:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:03	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 12:30	02/19/24 19:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 12:30	02/19/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				02/15/24 12:30	02/19/24 19:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/15/24 12:30	02/19/24 19:03	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			02/19/24 19:03	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			02/16/24 16:54	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		02/09/24 11:16	02/16/24 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				02/09/24 11:16	02/16/24 16:54	1
o-Terphenyl	106		70 - 130				02/09/24 11:16	02/16/24 16:54	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		25.1		mg/Kg			02/12/24 09:34	5

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
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)
880-39134-A-1-C MS	Matrix Spike	103	92
880-39134-A-1-D MSD	Matrix Spike Duplicate	100	93
880-39148-1	S-3 (0-1')	111	103
880-39148-2	S-3 (1.5')	113	102
880-39148-3	S-3 (2')	115	107
880-39148-4	S-3 (3')	123	107
LCS 880-73254/1-A	Lab Control Sample	113	97
LCSD 880-73254/2-A	Lab Control Sample Dup	119	100
MB 880-73254/5-A	Method Blank	128	119
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)
880-39148-1	S-3 (0-1')	121	104
880-39148-2	S-3 (1.5')	119	101
880-39148-3	S-3 (2')	114	98
880-39148-4	S-3 (3')	122	106
890-6118-A-1-C MS	Matrix Spike	115	86
890-6118-A-1-D MSD	Matrix Spike Duplicate	111	84
LCS 880-72728/2-A	Lab Control Sample	112	115
LCSD 880-72728/3-A	Lab Control Sample Dup	108	104
MB 880-72728/1-A	Method Blank	268 S1+	234 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73254/5-A

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/15/24 12:30	02/19/24 11:56	1
1,4-Difluorobenzene (Surr)	119		70 - 130	02/15/24 12:30	02/19/24 11:56	1

Lab Sample ID: LCS 880-73254/1-A

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	0.100	0.09955		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1272		mg/Kg		127	70 - 130
m-Xylene & p-Xylene	0.200	0.2184		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-73254/2-A

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1163		mg/Kg		116	70 - 130	5	35
Toluene	0.100	0.1080		mg/Kg		108	70 - 130	8	35
Ethylbenzene	0.100	0.1305	*+	mg/Kg		131	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2215		mg/Kg		111	70 - 130	1	35
o-Xylene	0.100	0.09614		mg/Kg		96	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-39134-A-1-C MS

Matrix: Solid

Analysis Batch: 73429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.06524	F1	mg/Kg		65	70 - 130
Toluene	<0.00199	U F1	0.100	0.05746	F1	mg/Kg		57	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39134-A-1-C MS
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U *+ F1	0.100	0.05454	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09031	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05023	F1	mg/Kg		50	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

Lab Sample ID: 880-39134-A-1-D MSD
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.06116	F1	mg/Kg		61	70 - 130	6	35
Toluene	<0.00199	U F1	0.101	0.05469	F1	mg/Kg		54	70 - 130	5	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.04586	F1	mg/Kg		46	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.08252	F1	mg/Kg		41	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.101	0.04045	F1	mg/Kg		40	70 - 130	22	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-72728/1-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72728

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		02/09/24 11:16	02/16/24 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	268	S1+	70 - 130						
o-Terphenyl	234	S1+	70 - 130						

Lab Sample ID: LCS 880-72728/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.5		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-72728/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72728

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-72728/3-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	934.5		mg/Kg		93	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-6118-A-1-C MS
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	991	989.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1241		mg/Kg		123	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 890-6118-A-1-D MSD
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72728

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	<49.8	U	991	961.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1209		mg/Kg		120	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	84		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72674/1-A Matrix: Solid Analysis Batch: 72836										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			02/12/24 07:56	1		

Lab Sample ID: LCS 880-72674/2-A Matrix: Solid Analysis Batch: 72836										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-72674/3-A Matrix: Solid Analysis Batch: 72836										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	234.5		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-39148-2 MS Matrix: Solid Analysis Batch: 72836										Client Sample ID: S-3 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	467		2530	2880		mg/Kg		96	90 - 110		

Lab Sample ID: 880-39148-2 MSD Matrix: Solid Analysis Batch: 72836										Client Sample ID: S-3 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	467		2530	2887		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	5035	
880-39148-2	S-3 (1.5')	Total/NA	Solid	5035	
880-39148-3	S-3 (2')	Total/NA	Solid	5035	
880-39148-4	S-3 (3')	Total/NA	Solid	5035	
MB 880-73254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	8021B	73254
880-39148-2	S-3 (1.5')	Total/NA	Solid	8021B	73254
880-39148-3	S-3 (2')	Total/NA	Solid	8021B	73254
880-39148-4	S-3 (3')	Total/NA	Solid	8021B	73254
MB 880-73254/5-A	Method Blank	Total/NA	Solid	8021B	73254
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	8021B	73254
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73254
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73254
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73254

Analysis Batch: 73675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-39148-2	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-39148-3	S-3 (2')	Total/NA	Solid	Total BTEX	
880-39148-4	S-3 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-39148-2	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-39148-3	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-39148-4	S-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	8015B NM	72728
880-39148-2	S-3 (1.5')	Total/NA	Solid	8015B NM	72728
880-39148-3	S-3 (2')	Total/NA	Solid	8015B NM	72728
880-39148-4	S-3 (3')	Total/NA	Solid	8015B NM	72728
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015B NM	72728
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72728

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County,New Mexico

GC Semi VOA (Continued)

Analysis Batch: 73314 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72728
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72728
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72728

Analysis Batch: 73529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-39148-2	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-39148-3	S-3 (2')	Total/NA	Solid	8015 NM	
880-39148-4	S-3 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Soluble	Solid	DI Leach	
880-39148-2	S-3 (1.5')	Soluble	Solid	DI Leach	
880-39148-3	S-3 (2')	Soluble	Solid	DI Leach	
880-39148-4	S-3 (3')	Soluble	Solid	DI Leach	
MB 880-72674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39148-2 MS	S-3 (1.5')	Soluble	Solid	DI Leach	
880-39148-2 MSD	S-3 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 72836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39148-1	S-3 (0-1')	Soluble	Solid	300.0	72674
880-39148-2	S-3 (1.5')	Soluble	Solid	300.0	72674
880-39148-3	S-3 (2')	Soluble	Solid	300.0	72674
880-39148-4	S-3 (3')	Soluble	Solid	300.0	72674
MB 880-72674/1-A	Method Blank	Soluble	Solid	300.0	72674
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	300.0	72674
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72674
880-39148-2 MS	S-3 (1.5')	Soluble	Solid	300.0	72674
880-39148-2 MSD	S-3 (1.5')	Soluble	Solid	300.0	72674

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County,New Mexico

Client Sample ID: S-3 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-1
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			5.03 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73675	02/19/24 18:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			73529	02/16/24 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 15:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:11	CH	EET MID

Client Sample ID: S-3 (1.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-2
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			5.00 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73675	02/19/24 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			73529	02/16/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 16:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:15	CH	EET MID

Client Sample ID: S-3 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-3
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			5.00 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73675	02/19/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			73529	02/16/24 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:29	CH	EET MID

Client Sample ID: S-3 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-4
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			4.95 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73675	02/19/24 19:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County,New Mexico

Client Sample ID: S-3 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39148-4
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			73529	02/16/24 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 16:54	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 09:34	CH	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39148-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-39148-1
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: Fiddle Fee 23X 1H

Job ID: 880-39148-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39148-1	S-3 (0-1')	Solid	02/07/24 00:00	02/08/24 15:23
880-39148-2	S-3 (1.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39148-3	S-3 (2')	Solid	02/07/24 00:00	02/08/24 15:23
880-39148-4	S-3 (3')	Solid	02/07/24 00:00	02/08/24 15:23

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



880-39148 Chain of Custody

Page 1 of 1

Page 1 of 1

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other ☐

Project Manager	Clinton Merritt		Bill to* (if different)	Isaac Castro
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	icastro@marathonoil.com

Project Name		Fiddle Fee 23X 1H		Turn Around		ANALYSIS REQUEST												Preservative Codes																	
Project Number		2261		☒ Routine ☐ Rush														None. NO DI Water H ₂ O																	
Project Location		Eddy County, New Mexico		Due Date														Cool: Cool MeOH Me																	
Sampler's Name:		IR		5 day														HCL HC HNO ₃ HN																	
PO #:		CL 24.00354																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:				IX-8														NaHSO ₄ , NABIS											
Cooler Custody Seals.				Yes No		Correction Factor				-1.0														Na ₂ S ₂ O ₃ , NaSO ₃											
Sample Custody Seals.				Yes No		Temperature Reading				5.0														Zn Acetate+NaOH Zn											
Total Containers.						Corrected Temperature				5.0														NaOH+Ascorbic Acid SAPC											
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0														Sample Comments	
S-3 (0-1')		2/7/2024				X				G		1		X		X		X		X															
S-3 (1.5')		2/7/2024				X				G		1		X		X		X		X															
S-3 (2')		2/7/2024				X				G		1		X		X		X		X															
S-3 (3')		2/7/2024				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
	2-8-24	J. [illegible]	02-08-24
		[illegible]	3:23

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39148-1
SDG Number: Eddy County,New Mexico

Login Number: 39148
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2024 1:04:13 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-39149-1

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
2/20/2024 1:04:13 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County,New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: Fiddle Fee 23X 1H

Job ID: 880-39149-1

Job ID: 880-39149-1

Eurofins Midland

Job Narrative
880-39149-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-4 (0-1' (880-39149-1), S-4 (1.5') (880-39149-2), S-4 (2') (880-39149-3) and S-4 (3') (880-39149-4).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-73254 and analytical batch 880-73429 recovered outside control limits for the following analytes: Ethylbenzene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73254 and analytical batch 880-73429 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72728 and analytical batch 880-73314 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: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-39149-1

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 19:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:30	02/19/24 19:23	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/15/24 12:30	02/19/24 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:30	02/19/24 19:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:30	02/19/24 19:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:30	02/19/24 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/15/24 12:30	02/19/24 19:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/15/24 12:30	02/19/24 19:23	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			02/19/24 19:23	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			02/16/24 17:16	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		02/09/24 11:16	02/16/24 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:16	02/16/24 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/09/24 11:16	02/16/24 17:16	1
o-Terphenyl	91		70 - 130	02/09/24 11:16	02/16/24 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1450		50.1		mg/Kg			02/12/24 09:48	10

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-39149-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 19:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:44	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:30	02/19/24 19:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:30	02/19/24 19:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:30	02/19/24 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/15/24 12:30	02/19/24 19:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/15/24 12:30	02/19/24 19:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-39149-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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			02/19/24 19:44	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			02/16/24 17:38	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		02/09/24 11:16	02/16/24 17:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/24 11:16	02/16/24 17:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/24 11:16	02/16/24 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				02/09/24 11:16	02/16/24 17:38	1
o-Terphenyl	90		70 - 130				02/09/24 11:16	02/16/24 17:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		25.1		mg/Kg			02/12/24 09:52	5

Client Sample ID: S-4 (2')

Lab Sample ID: 880-39149-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:30	02/19/24 20:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 20:04	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		02/15/24 12:30	02/19/24 20:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 20:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:30	02/19/24 20:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:30	02/19/24 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/15/24 12:30	02/19/24 20:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/15/24 12:30	02/19/24 20:04	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			02/19/24 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/16/24 17:59	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	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 17:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 17:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-3
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)	<50.3	U	50.3		mg/Kg		02/09/24 11:16	02/16/24 17:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130				02/09/24 11:16	02/16/24 17:59	1	
o-Terphenyl	101		70 - 130				02/09/24 11:16	02/16/24 17:59	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2110		25.0		mg/Kg			02/12/24 09:57	5	

Client Sample ID: S-4 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-4
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		02/15/24 12:30	02/19/24 20:25	1	
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 20:25	1	
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		02/15/24 12:30	02/19/24 20:25	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:30	02/19/24 20:25	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:30	02/19/24 20:25	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:30	02/19/24 20:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	121		70 - 130				02/15/24 12:30	02/19/24 20:25	1	
1,4-Difluorobenzene (Surr)	100		70 - 130				02/15/24 12:30	02/19/24 20:25	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			02/19/24 20:25	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			02/16/24 18:20	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	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 18:20	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 18:20	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/09/24 11:16	02/16/24 18:20	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130				02/09/24 11:16	02/16/24 18:20	1	
o-Terphenyl	98		70 - 130				02/09/24 11:16	02/16/24 18:20	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1870		24.8		mg/Kg			02/12/24 10:02	5	

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
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)
880-39134-A-1-C MS	Matrix Spike	103	92
880-39134-A-1-D MSD	Matrix Spike Duplicate	100	93
880-39149-1	S-4 (0-1')	110	109
880-39149-2	S-4 (1.5')	113	103
880-39149-3	S-4 (2')	119	103
880-39149-4	S-4 (3')	121	100
LCS 880-73254/1-A	Lab Control Sample	113	97
LCSD 880-73254/2-A	Lab Control Sample Dup	119	100
MB 880-73254/5-A	Method Blank	128	119
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)
880-39149-1	S-4 (0-1')	102	91
880-39149-2	S-4 (1.5')	107	90
880-39149-3	S-4 (2')	122	101
880-39149-4	S-4 (3')	112	98
890-6118-A-1-C MS	Matrix Spike	115	86
890-6118-A-1-D MSD	Matrix Spike Duplicate	111	84
LCS 880-72728/2-A	Lab Control Sample	112	115
LCSD 880-72728/3-A	Lab Control Sample Dup	108	104
MB 880-72728/1-A	Method Blank	268 S1+	234 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73254/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				02/15/24 12:30	02/19/24 11:56	1
1,4-Difluorobenzene (Surr)	119		70 - 130				02/15/24 12:30	02/19/24 11:56	1

Lab Sample ID: LCS 880-73254/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1110		mg/Kg		111	70 - 130	
Toluene		0.100	0.09955		mg/Kg		100	70 - 130	
Ethylbenzene		0.100	0.1272		mg/Kg		127	70 - 130	
m-Xylene & p-Xylene		0.200	0.2184		mg/Kg		109	70 - 130	
o-Xylene		0.100	0.1054		mg/Kg		105	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-73254/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73429							Prep Batch: 73254			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1163		mg/Kg		116	70 - 130	5	35
Toluene		0.100	0.1080		mg/Kg		108	70 - 130	8	35
Ethylbenzene		0.100	0.1305	*+	mg/Kg		131	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.2215		mg/Kg		111	70 - 130	1	35
o-Xylene		0.100	0.09614		mg/Kg		96	70 - 130	9	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	119		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-39134-A-1-C MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73429							Prep Batch: 73254		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.06524	F1	mg/Kg		65	70 - 130
Toluene	<0.00199	U F1	0.100	0.05746	F1	mg/Kg		57	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39134-A-1-C MS
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U *+ F1	0.100	0.05454	F1	mg/Kg		54	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09031	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05023	F1	mg/Kg		50	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

Lab Sample ID: 880-39134-A-1-D MSD
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.06116	F1	mg/Kg		61	70 - 130	6	35
Toluene	<0.00199	U F1	0.101	0.05469	F1	mg/Kg		54	70 - 130	5	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.04586	F1	mg/Kg		46	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.08252	F1	mg/Kg		41	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.101	0.04045	F1	mg/Kg		40	70 - 130	22	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-72728/1-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72728

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		02/09/24 11:16	02/16/24 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:16	02/16/24 07:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	268	S1+	70 - 130						
o-Terphenyl	234	S1+	70 - 130						

Lab Sample ID: LCS 880-72728/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.5		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-72728/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72728

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-72728/3-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72728

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1086		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	934.5		mg/Kg		93	70 - 130	0	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	108										
o-Terphenyl	104										

Lab Sample ID: 890-6118-A-1-C MS
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	991	989.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1241		mg/Kg		123	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	115										
o-Terphenyl	86										

Lab Sample ID: 890-6118-A-1-D MSD
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72728

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	<49.8	U	991	961.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	991	1209		mg/Kg		120	70 - 130	3	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	111										
o-Terphenyl	84										

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72674/1-A Matrix: Solid Analysis Batch: 72836										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			02/12/24 07:56	1		
Lab Sample ID: LCS 880-72674/2-A Matrix: Solid Analysis Batch: 72836										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.5		mg/Kg		93	90 - 110		
Lab Sample ID: LCSD 880-72674/3-A Matrix: Solid Analysis Batch: 72836										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	234.5		mg/Kg		94	90 - 110	1	20
Lab Sample ID: 880-39148-A-2-A MS Matrix: Solid Analysis Batch: 72836										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	467		2530	2880		mg/Kg		96	90 - 110		
Lab Sample ID: 880-39148-A-2-B MSD Matrix: Solid Analysis Batch: 72836										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	467		2530	2887		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County,New Mexico

GC VOA

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1'	Total/NA	Solid	5035	
880-39149-2	S-4 (1.5')	Total/NA	Solid	5035	
880-39149-3	S-4 (2')	Total/NA	Solid	5035	
880-39149-4	S-4 (3')	Total/NA	Solid	5035	
MB 880-73254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1'	Total/NA	Solid	8021B	73254
880-39149-2	S-4 (1.5')	Total/NA	Solid	8021B	73254
880-39149-3	S-4 (2')	Total/NA	Solid	8021B	73254
880-39149-4	S-4 (3')	Total/NA	Solid	8021B	73254
MB 880-73254/5-A	Method Blank	Total/NA	Solid	8021B	73254
LCS 880-73254/1-A	Lab Control Sample	Total/NA	Solid	8021B	73254
LCSD 880-73254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73254
880-39134-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73254
880-39134-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73254

Analysis Batch: 73676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1'	Total/NA	Solid	Total BTEX	
880-39149-2	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-39149-3	S-4 (2')	Total/NA	Solid	Total BTEX	
880-39149-4	S-4 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1'	Total/NA	Solid	8015NM Prep	
880-39149-2	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-39149-3	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-39149-4	S-4 (3')	Total/NA	Solid	8015NM Prep	
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1'	Total/NA	Solid	8015B NM	72728
880-39149-2	S-4 (1.5')	Total/NA	Solid	8015B NM	72728
880-39149-3	S-4 (2')	Total/NA	Solid	8015B NM	72728
880-39149-4	S-4 (3')	Total/NA	Solid	8015B NM	72728
MB 880-72728/1-A	Method Blank	Total/NA	Solid	8015B NM	72728
LCS 880-72728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72728

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 73314 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-72728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72728
890-6118-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72728
890-6118-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72728

Analysis Batch: 73530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-39149-2	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-39149-3	S-4 (2')	Total/NA	Solid	8015 NM	
880-39149-4	S-4 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1')	Soluble	Solid	DI Leach	
880-39149-2	S-4 (1.5')	Soluble	Solid	DI Leach	
880-39149-3	S-4 (2')	Soluble	Solid	DI Leach	
880-39149-4	S-4 (3')	Soluble	Solid	DI Leach	
MB 880-72674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39148-A-2-A MS	Matrix Spike	Soluble	Solid	DI Leach	
880-39148-A-2-B MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 72836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39149-1	S-4 (0-1')	Soluble	Solid	300.0	72674
880-39149-2	S-4 (1.5')	Soluble	Solid	300.0	72674
880-39149-3	S-4 (2')	Soluble	Solid	300.0	72674
880-39149-4	S-4 (3')	Soluble	Solid	300.0	72674
MB 880-72674/1-A	Method Blank	Soluble	Solid	300.0	72674
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	300.0	72674
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72674
880-39148-A-2-A MS	Matrix Spike	Soluble	Solid	300.0	72674
880-39148-A-2-B MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72674

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County,New Mexico

Client Sample ID: S-4 (0-1'
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-1
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			4.98 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73676	02/19/24 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			73530	02/16/24 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 17:16	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		10			72836	02/12/24 09:48	CH	EET MID

Client Sample ID: S-4 (1.5'
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-2
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			4.96 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73676	02/19/24 19:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			73530	02/16/24 17:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 17:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 09:52	CH	EET MID

Client Sample ID: S-4 (2'
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-3
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			5.03 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 20:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73676	02/19/24 20:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			73530	02/16/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 17:59	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 09:57	CH	EET MID

Client Sample ID: S-4 (3'
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-4
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			5.05 g	5 mL	73254	02/15/24 12:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/19/24 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73676	02/19/24 20:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County,New Mexico

Client Sample ID: S-4 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39149-4
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			73530	02/16/24 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	72728	02/09/24 11:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/16/24 18:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 10:02	CH	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39149-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-39149-1
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: Fiddle Fee 23X 1H

Job ID: 880-39149-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39149-1	S-4 (0-1'	Solid	02/07/24 00:00	02/08/24 15:23
880-39149-2	S-4 (1.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39149-3	S-4 (2')	Solid	02/07/24 00:00	02/08/24 15:23
880-39149-4	S-4 (3')	Solid	02/07/24 00:00	02/08/24 15:23

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

Project Manager	Clinton Merritt	Bill to (if different)	Isaac Castro
Company Name	Carmona Resources	Company Name:	Marathon Oil Corporation
Address.	310 W Wall St Ste 500	Address	980 Town and County Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone:		Email	icastro@marathonoil.com

Work Order Comments	
Program: USTR/ST ☐ PRP ☐ Brownfields ☐ RC ☐ ☐ perfund ☐ ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables, EDD ☐ ADAPT ☐ 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
	2-8-2011	Sarah Jane Wine	02-08-2011
			3-23



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39149-1
SDG Number: Eddy County,New Mexico

Login Number: 39149
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2024 2:08:42 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-39150-1

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
2/20/2024 2:08:42 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	16
Lab Chronicle	19
Certification Summary	21
Method Summary	22
Sample Summary	23
Chain of Custody	24
Receipt Checklists	25

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
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
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-39150-1

Job ID: 880-39150-1

Eurofins Midland

Job Narrative 880-39150-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-5 (0-1') (880-39150-1), S-5 (1.5) (880-39150-2), S-5 (2') (880-39150-3), S-5 (3') (880-39150-4) and S-5 (4') (880-39150-5).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72726 and analytical batch 880-73204 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-72726/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-39127-A-2-B) and (880-39127-A-2-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-72726 and analytical batch 880-73204 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-72726 and analytical batch 880-73204 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-72726 and analytical batch 880-73204 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-72702 and analytical batch 880-72842 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.

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: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-39150-1

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:35	02/19/24 11:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:35	02/19/24 11:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:35	02/19/24 11:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:35	02/19/24 11:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:35	02/19/24 11:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:35	02/19/24 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/15/24 12:35	02/19/24 11:40	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/15/24 12:35	02/19/24 11:40	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			02/19/24 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	180		50.2		mg/Kg			02/15/24 22:06	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 *1	50.2		mg/Kg		02/09/24 11:11	02/15/24 22:06	1
Diesel Range Organics (Over C10-C28)	180		50.2		mg/Kg		02/09/24 11:11	02/15/24 22:06	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/09/24 11:11	02/15/24 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	02/09/24 11:11	02/15/24 22:06	1
o-Terphenyl	103		70 - 130	02/09/24 11:11	02/15/24 22:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		25.2		mg/Kg			02/12/24 10:06	5

Client Sample ID: S-5 (1.5)

Lab Sample ID: 880-39150-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:35	02/19/24 12:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:35	02/19/24 12:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:35	02/19/24 12:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:35	02/19/24 12:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:35	02/19/24 12:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:35	02/19/24 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/15/24 12:35	02/19/24 12:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/15/24 12:35	02/19/24 12:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (1.5)

Lab Sample ID: 880-39150-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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			02/19/24 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.8		50.4		mg/Kg			02/15/24 22:28	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 *1	50.4		mg/Kg		02/09/24 11:11	02/15/24 22:28	1
Diesel Range Organics (Over C10-C28)	94.8		50.4		mg/Kg		02/09/24 11:11	02/15/24 22:28	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/09/24 11:11	02/15/24 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				02/09/24 11:11	02/15/24 22:28	1
o-Terphenyl	91		70 - 130				02/09/24 11:11	02/15/24 22:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		25.3		mg/Kg			02/12/24 10:11	5

Client Sample ID: S-5 (2')

Lab Sample ID: 880-39150-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:35	02/19/24 12:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 12:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 12:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 12:35	02/19/24 12:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 12:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 12:35	02/19/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/15/24 12:35	02/19/24 12:22	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/15/24 12:35	02/19/24 12:22	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			02/19/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/15/24 22:50	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	<50.5	U *1	50.5		mg/Kg		02/09/24 11:11	02/15/24 22:50	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/09/24 11:11	02/15/24 22:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-3
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)	<50.5	U	50.5		mg/Kg		02/09/24 11:11	02/15/24 22:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130				02/09/24 11:11	02/15/24 22:50	1	
o-Terphenyl	89		70 - 130				02/09/24 11:11	02/15/24 22:50	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	453		25.0		mg/Kg			02/12/24 10:15	5	

Client Sample ID: S-5 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-4
Matrix: Solid

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		02/15/24 12:35	02/19/24 12:42	1	
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:35	02/19/24 12:42	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:35	02/19/24 12:42	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:35	02/19/24 12:42	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:35	02/19/24 12:42	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:35	02/19/24 12:42	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	104		70 - 130				02/15/24 12:35	02/19/24 12:42	1	
1,4-Difluorobenzene (Surr)	102		70 - 130				02/15/24 12:35	02/19/24 12:42	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			02/19/24 12:42	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			02/15/24 23:12	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 *1	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:12	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:12	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				02/09/24 11:11	02/15/24 23:12	1	
o-Terphenyl	102		70 - 130				02/09/24 11:11	02/15/24 23:12	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2010	F1	25.3		mg/Kg			02/12/24 12:33	5	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (4')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-5
Matrix: Solid

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		02/15/24 12:35	02/19/24 13:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 13:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 13:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:35	02/19/24 13:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:35	02/19/24 13:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:35	02/19/24 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				02/15/24 12:35	02/19/24 13:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/15/24 12:35	02/19/24 13:03	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			02/19/24 13:03	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			02/15/24 23:34	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 *1	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/09/24 11:11	02/15/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				02/09/24 11:11	02/15/24 23:34	1
o-Terphenyl	103		70 - 130				02/09/24 11:11	02/15/24 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		25.1		mg/Kg			02/12/24 12:52	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
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)
880-39150-1	S-5 (0-1')	97	105
880-39150-1 MS	S-5 (0-1')	107	104
880-39150-1 MSD	S-5 (0-1')	109	100
880-39150-2	S-5 (1.5)	99	101
880-39150-3	S-5 (2')	105	103
880-39150-4	S-5 (3')	104	102
880-39150-5	S-5 (4')	102	103
LCS 880-73256/1-A	Lab Control Sample	102	96
LCSD 880-73256/2-A	Lab Control Sample Dup	102	101
MB 880-73256/5-A	Method Blank	76	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-39127-A-2-C MS	Matrix Spike	118	87
880-39127-A-2-D MSD	Matrix Spike Duplicate	132 S1+	99
880-39150-1	S-5 (0-1')	121	103
880-39150-2	S-5 (1.5)	109	91
880-39150-3	S-5 (2')	105	89
880-39150-4	S-5 (3')	120	102
880-39150-5	S-5 (4')	118	103
LCS 880-72726/2-A	Lab Control Sample	123	133 S1+
LCSD 880-72726/3-A	Lab Control Sample Dup	101	103
MB 880-72726/1-A	Method Blank	232 S1+	206 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73256/5-A

Matrix: Solid

Analysis Batch: 73431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:35	02/19/24 11:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:35	02/19/24 11:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:35	02/19/24 11:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:35	02/19/24 11:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:35	02/19/24 11:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:35	02/19/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/15/24 12:35	02/19/24 11:18	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/15/24 12:35	02/19/24 11:18	1

Lab Sample ID: LCS 880-73256/1-A

Matrix: Solid

Analysis Batch: 73431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1088		mg/Kg		109	70 - 130
Toluene	0.100	0.08862		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09229		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09409		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-73256/2-A

Matrix: Solid

Analysis Batch: 73431

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1244		mg/Kg		124	70 - 130	13	35
Toluene	0.100	0.09492		mg/Kg		95	70 - 130	7	35
Ethylbenzene	0.100	0.09559		mg/Kg		96	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1906		mg/Kg		95	70 - 130	2	35
o-Xylene	0.100	0.09616		mg/Kg		96	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-39150-1 MS

Matrix: Solid

Analysis Batch: 73431

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 73256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.09297		mg/Kg		93	70 - 130
Toluene	<0.00199	U	0.100	0.07823		mg/Kg		78	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County,New Mexico

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

Lab Sample ID: 880-39150-1 MS
Matrix: Solid
Analysis Batch: 73431

Client Sample ID: S-5 (0-1')
Prep Type: Total/NA
Prep Batch: 73256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.07720		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1558		mg/Kg		78	70 - 130
o-Xylene	<0.00199	U	0.100	0.07821		mg/Kg		78	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 880-39150-1 MSD
Matrix: Solid
Analysis Batch: 73431

Client Sample ID: S-5 (0-1')
Prep Type: Total/NA
Prep Batch: 73256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1063		mg/Kg		106	70 - 130	13	35
Toluene	<0.00199	U	0.101	0.08653		mg/Kg		86	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.101	0.08534		mg/Kg		85	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1708		mg/Kg		85	70 - 130	9	35
o-Xylene	<0.00199	U	0.101	0.08596		mg/Kg		85	70 - 130	9	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 880-72726/1-A
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72726

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		02/09/24 11:10	02/15/24 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:10	02/15/24 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:10	02/15/24 19:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	232	S1+	70 - 130						
o-Terphenyl	206	S1+	70 - 130						

Lab Sample ID: LCS 880-72726/2-A
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	841.0		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-72726/2-A

Matrix: Solid

Analysis Batch: 73204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72726

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-72726/3-A

Matrix: Solid

Analysis Batch: 73204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72726

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1062	*1	mg/Kg		106	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	1000	898.0		mg/Kg		90	70 - 130	16	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-39127-A-2-C MS

Matrix: Solid

Analysis Batch: 73204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 72726

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *1	1010	1156		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1175		mg/Kg		115	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-39127-A-2-D MSD

Matrix: Solid

Analysis Batch: 73204

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 72726

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	<49.6	U *1	1010	1298		mg/Kg		125	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1349	F1	mg/Kg		132	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	99		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72674/1-A

Matrix: Solid

Analysis Batch: 72836

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			02/12/24 07:56	1

Lab Sample ID: LCS 880-72674/2-A

Matrix: Solid

Analysis Batch: 72836

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	232.5		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-72674/3-A

Matrix: Solid

Analysis Batch: 72836

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	234.5		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-39148-A-2-A MS

Matrix: Solid

Analysis Batch: 72836

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	467		2530	2880		mg/Kg		96	90 - 110

Lab Sample ID: 880-39148-A-2-B MSD

Matrix: Solid

Analysis Batch: 72836

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	467		2530	2887		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-72702/1-A

Matrix: Solid

Analysis Batch: 72842

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			02/12/24 12:14	1

Lab Sample ID: LCS 880-72702/2-A

Matrix: Solid

Analysis Batch: 72842

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-72702/3-A

Matrix: Solid

Analysis Batch: 72842

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	253.7		mg/Kg		101	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County,New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-39150-4 MS										Client Sample ID: S-5 (3')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 72842													
	Sample	Sample	Spike	MS	MS				%Rec				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits				
Chloride	2010	F1	1260	3190		mg/Kg		93	90 - 110				

Lab Sample ID: 880-39150-4 MSD										Client Sample ID: S-5 (3')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 72842													
	Sample	Sample	Spike	MSD	MSD				%Rec			RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD		Limit	
Chloride	2010	F1	1260	3421	F1	mg/Kg		111	90 - 110	7		20	

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 73256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	5035	
880-39150-2	S-5 (1.5)	Total/NA	Solid	5035	
880-39150-3	S-5 (2')	Total/NA	Solid	5035	
880-39150-4	S-5 (3')	Total/NA	Solid	5035	
880-39150-5	S-5 (4')	Total/NA	Solid	5035	
MB 880-73256/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73256/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73256/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39150-1 MS	S-5 (0-1')	Total/NA	Solid	5035	
880-39150-1 MSD	S-5 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 73431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	8021B	73256
880-39150-2	S-5 (1.5)	Total/NA	Solid	8021B	73256
880-39150-3	S-5 (2')	Total/NA	Solid	8021B	73256
880-39150-4	S-5 (3')	Total/NA	Solid	8021B	73256
880-39150-5	S-5 (4')	Total/NA	Solid	8021B	73256
MB 880-73256/5-A	Method Blank	Total/NA	Solid	8021B	73256
LCS 880-73256/1-A	Lab Control Sample	Total/NA	Solid	8021B	73256
LCSD 880-73256/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73256
880-39150-1 MS	S-5 (0-1')	Total/NA	Solid	8021B	73256
880-39150-1 MSD	S-5 (0-1')	Total/NA	Solid	8021B	73256

Analysis Batch: 73614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-39150-2	S-5 (1.5)	Total/NA	Solid	Total BTEX	
880-39150-3	S-5 (2')	Total/NA	Solid	Total BTEX	
880-39150-4	S-5 (3')	Total/NA	Solid	Total BTEX	
880-39150-5	S-5 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-39150-2	S-5 (1.5)	Total/NA	Solid	8015NM Prep	
880-39150-3	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-39150-4	S-5 (3')	Total/NA	Solid	8015NM Prep	
880-39150-5	S-5 (4')	Total/NA	Solid	8015NM Prep	
MB 880-72726/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72726/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72726/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39127-A-2-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39127-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	8015B NM	72726
880-39150-2	S-5 (1.5)	Total/NA	Solid	8015B NM	72726

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 73204 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-3	S-5 (2')	Total/NA	Solid	8015B NM	72726
880-39150-4	S-5 (3')	Total/NA	Solid	8015B NM	72726
880-39150-5	S-5 (4')	Total/NA	Solid	8015B NM	72726
MB 880-72726/1-A	Method Blank	Total/NA	Solid	8015B NM	72726
LCS 880-72726/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72726
LCSD 880-72726/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72726
880-39127-A-2-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72726
880-39127-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72726

Analysis Batch: 73358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-39150-2	S-5 (1.5)	Total/NA	Solid	8015 NM	
880-39150-3	S-5 (2')	Total/NA	Solid	8015 NM	
880-39150-4	S-5 (3')	Total/NA	Solid	8015 NM	
880-39150-5	S-5 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Soluble	Solid	DI Leach	
880-39150-2	S-5 (1.5)	Soluble	Solid	DI Leach	
880-39150-3	S-5 (2')	Soluble	Solid	DI Leach	
MB 880-72674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39148-A-2-A MS	Matrix Spike	Soluble	Solid	DI Leach	
880-39148-A-2-B MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 72702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-4	S-5 (3')	Soluble	Solid	DI Leach	
880-39150-5	S-5 (4')	Soluble	Solid	DI Leach	
MB 880-72702/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72702/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72702/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39150-4 MS	S-5 (3')	Soluble	Solid	DI Leach	
880-39150-4 MSD	S-5 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 72836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-1	S-5 (0-1')	Soluble	Solid	300.0	72674
880-39150-2	S-5 (1.5)	Soluble	Solid	300.0	72674
880-39150-3	S-5 (2')	Soluble	Solid	300.0	72674
MB 880-72674/1-A	Method Blank	Soluble	Solid	300.0	72674
LCS 880-72674/2-A	Lab Control Sample	Soluble	Solid	300.0	72674
LCSD 880-72674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72674
880-39148-A-2-A MS	Matrix Spike	Soluble	Solid	300.0	72674
880-39148-A-2-B MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72674

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 72842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-4	S-5 (3')	Soluble	Solid	300.0	72702
880-39150-5	S-5 (4')	Soluble	Solid	300.0	72702
MB 880-72702/1-A	Method Blank	Soluble	Solid	300.0	72702
LCS 880-72702/2-A	Lab Control Sample	Soluble	Solid	300.0	72702
LCSD 880-72702/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72702
880-39150-4 MS	S-5 (3')	Soluble	Solid	300.0	72702
880-39150-4 MSD	S-5 (3')	Soluble	Solid	300.0	72702

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County,New Mexico

Client Sample ID: S-5 (0-1')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-1
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			5.03 g	5 mL	73256	02/15/24 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73431	02/19/24 11:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73614	02/19/24 11:40	MNR	EET MID
Total/NA	Analysis	8015 NM		1			73358	02/15/24 22:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	72726	02/09/24 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 22:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 10:06	CH	EET MID

Client Sample ID: S-5 (1.5)
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-2
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			5.05 g	5 mL	73256	02/15/24 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73431	02/19/24 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73614	02/19/24 12:01	MNR	EET MID
Total/NA	Analysis	8015 NM		1			73358	02/15/24 22:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72726	02/09/24 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 22:28	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 10:11	CH	EET MID

Client Sample ID: S-5 (2')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-3
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			4.95 g	5 mL	73256	02/15/24 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73431	02/19/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73614	02/19/24 12:22	MNR	EET MID
Total/NA	Analysis	8015 NM		1			73358	02/15/24 22:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72726	02/09/24 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 22:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72674	02/08/24 16:22	SA	EET MID
Soluble	Analysis	300.0		5			72836	02/12/24 10:15	CH	EET MID

Client Sample ID: S-5 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-4
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			4.97 g	5 mL	73256	02/15/24 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73431	02/19/24 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73614	02/19/24 12:42	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County,New Mexico

Client Sample ID: S-5 (3')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-4
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			73358	02/15/24 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72726	02/09/24 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 23:12	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 12:33	CH	EET MID

Client Sample ID: S-5 (4')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39150-5
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			4.96 g	5 mL	73256	02/15/24 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73431	02/19/24 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73614	02/19/24 13:03	MNR	EET MID
Total/NA	Analysis	8015 NM		1			73358	02/15/24 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72726	02/09/24 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 23:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 12:52	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: Fiddle Fee 23X 1H

Job ID: 880-39150-1
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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39150-1
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: Fiddle Fee 23X 1H

Job ID: 880-39150-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39150-1	S-5 (0-1')	Solid	02/07/24 00:00	02/08/24 15:23
880-39150-2	S-5 (1.5)	Solid	02/07/24 00:00	02/08/24 15:23
880-39150-3	S-5 (2')	Solid	02/07/24 00:00	02/08/24 15:23
880-39150-4	S-5 (3')	Solid	02/07/24 00:00	02/08/24 15:23
880-39150-5	S-5 (4')	Solid	02/07/24 00:00	02/08/24 15:23

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

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



880-39150 Chain of Custody

Page 1 of 1

Project Manager:	Clinton Merritt	Bill to (if different):	Isaac Castro
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:	icastro@marathonoil.com

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

Project Name:	Fiddle Fee 23X 1H	Turn Around	Prep. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2261	☒ Routine ☐ Rush	5 day													None, NO	DI Water H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date														Cool: Cool	MeOH Me	
Sampler's Name:	IR															HCL HC	HNO ₃ HN	
PO #:	CL 24 00354															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											Sample Comments	
S-5 (0-1')	2/7/2024		X		G	1	X	X	X									
S-5 (1.5')	2/7/2024		X		G	1	X	X	X									
S-5 (2')	2/7/2024		X		G	1	X	X	X									
S-5 (3')	2/7/2024		X		G	1	X	X	X									
S-5 (4')	2/7/2024		X		G	1	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
	2-8-24		02-08-24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39150-1

SDG Number: Eddy County, New Mexico

Login Number: 39150

List Number: 1

Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/19/2024 5:49:17 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-39151-1

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
2/19/2024 5:49:17 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Table of Contents

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

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County,New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Fiddle Fee 23X 1H

Job ID: 880-39151-1

Job ID: 880-39151-1

Eurofins Midland

Job Narrative 880-39151-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 2/8/2024 3:23 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 5.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-39151-1), H-2 (0-0.5') (880-39151-2), H-3 (0-0.5') (880-39151-3), H-4 (0-0.5') (880-39151-4), H-5 (0-0.5') (880-39151-5), H-6 (0-0.5') (880-39151-6), H-7 (0-0.5') (880-39151-7) and H-8 (0-0.5') (880-39151-8).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73255 and analytical batch 880-73418 was outside the control limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72729 and analytical batch 880-73314 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-72702 and analytical batch 880-72842 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.

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: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39151-1

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:32	02/18/24 23:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 23:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 23:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 23:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 23:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/15/24 12:32	02/18/24 23:01	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/15/24 12:32	02/18/24 23:01	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			02/18/24 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	384		50.5		mg/Kg			02/17/24 00:48	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	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/17/24 00:48	1
Diesel Range Organics (Over C10-C28)	384		50.5		mg/Kg		02/09/24 11:20	02/17/24 00:48	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/17/24 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	02/09/24 11:20	02/17/24 00:48	1
o-Terphenyl	86		70 - 130	02/09/24 11:20	02/17/24 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	459		25.2		mg/Kg			02/12/24 12:59	5

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

Lab Sample ID: 880-39151-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:32	02/18/24 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 23:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/15/24 12:32	02/18/24 23:22	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/15/24 12:32	02/18/24 23:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39151-2

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/24 23:22	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			02/17/24 01:11	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	<50.2	U	50.2		mg/Kg		02/09/24 11:20	02/17/24 01:11	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/09/24 11:20	02/17/24 01:11	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/09/24 11:20	02/17/24 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				02/09/24 11:20	02/17/24 01:11	1
o-Terphenyl	100		70 - 130				02/09/24 11:20	02/17/24 01:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		25.2		mg/Kg			02/12/24 13:05	5

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

Lab Sample ID: 880-39151-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:32	02/18/24 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 23:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				02/15/24 12:32	02/18/24 23:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/15/24 12:32	02/18/24 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/24 23:42	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			02/17/24 01:33	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	<50.4	U	50.4		mg/Kg		02/09/24 11:20	02/17/24 01:33	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/09/24 11:20	02/17/24 01:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39151-3

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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)	<50.4	U	50.4		mg/Kg		02/09/24 11:20	02/17/24 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				02/09/24 11:20	02/17/24 01:33	1
o-Terphenyl	93		70 - 130				02/09/24 11:20	02/17/24 01:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		24.9		mg/Kg			02/12/24 13:11	5

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

Lab Sample ID: 880-39151-4

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:32	02/19/24 00:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 12:32	02/19/24 00:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 12:32	02/19/24 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				02/15/24 12:32	02/19/24 00:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/15/24 12:32	02/19/24 00:03	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			02/19/24 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/17/24 01:55	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	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/17/24 01:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/17/24 01:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/09/24 11:20	02/17/24 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				02/09/24 11:20	02/17/24 01:55	1
o-Terphenyl	93		70 - 130				02/09/24 11:20	02/17/24 01:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2540		49.6		mg/Kg			02/12/24 13:30	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-5
Matrix: Solid

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		02/15/24 12:32	02/19/24 00:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/19/24 00:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/19/24 00:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:32	02/19/24 00:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/19/24 00:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:32	02/19/24 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				02/15/24 12:32	02/19/24 00:24	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/15/24 12:32	02/19/24 00:24	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			02/19/24 00:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/24 02:18	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		02/09/24 11:20	02/17/24 02:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/17/24 02:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/17/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				02/09/24 11:20	02/17/24 02:18	1
o-Terphenyl	87		70 - 130				02/09/24 11:20	02/17/24 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		25.0		mg/Kg			02/12/24 13:37	5

Client Sample ID: H-6 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-6
Matrix: Solid

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		02/15/24 12:32	02/19/24 00:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/19/24 00:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/19/24 00:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/19/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				02/15/24 12:32	02/19/24 00:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/15/24 12:32	02/19/24 00:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39151-6

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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			02/19/24 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/24 02:40	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	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/17/24 02:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/17/24 02:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/09/24 11:20	02/17/24 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/09/24 11:20	02/17/24 02:40	1
o-Terphenyl	83		70 - 130				02/09/24 11:20	02/17/24 02:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		25.1		mg/Kg			02/12/24 13:43	5

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

Lab Sample ID: 880-39151-7

Date Collected: 02/07/24 00:00

Matrix: Solid

Date Received: 02/08/24 15:23

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		02/15/24 12:32	02/19/24 01:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/19/24 01:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/19/24 01:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/19/24 01:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/19/24 01:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/19/24 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				02/15/24 12:32	02/19/24 01:05	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/15/24 12:32	02/19/24 01:05	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			02/19/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		50.0		mg/Kg			02/17/24 03:02	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		02/09/24 11:20	02/17/24 03:02	1
Diesel Range Organics (Over C10-C28)	103		50.0		mg/Kg		02/09/24 11:20	02/17/24 03:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-7
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)	<50.0	U	50.0		mg/Kg		02/09/24 11:20	02/17/24 03:02	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				02/09/24 11:20	02/17/24 03:02	1	
o-Terphenyl	100		70 - 130				02/09/24 11:20	02/17/24 03:02	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2220		50.3		mg/Kg			02/12/24 13:49	10	

Client Sample ID: H-8 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-8
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		02/15/24 12:32	02/19/24 01:26	1	
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/19/24 01:26	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/19/24 01:26	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/19/24 01:26	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/19/24 01:26	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/19/24 01:26	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	77		70 - 130				02/15/24 12:32	02/19/24 01:26	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				02/15/24 12:32	02/19/24 01:26	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			02/19/24 01:26	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	62.7		49.8		mg/Kg			02/17/24 03:25	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		02/09/24 11:20	02/17/24 03:25	1	
Diesel Range Organics (Over C10-C28)	62.7		49.8		mg/Kg		02/09/24 11:20	02/17/24 03:25	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/24 11:20	02/17/24 03:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	127		70 - 130				02/09/24 11:20	02/17/24 03:25	1	
o-Terphenyl	105		70 - 130				02/09/24 11:20	02/17/24 03:25	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	9980		101		mg/Kg			02/12/24 13:56	20	

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
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)
880-39151-1	H-1 (0-0.5')	91	84
880-39151-2	H-2 (0-0.5')	76	103
880-39151-3	H-3 (0-0.5')	82	96
880-39151-4	H-4 (0-0.5')	77	96
880-39151-5	H-5 (0-0.5')	77	93
880-39151-6	H-6 (0-0.5')	72	97
880-39151-7	H-7 (0-0.5')	84	87
880-39151-8	H-8 (0-0.5')	77	97
890-6137-A-1-C MS	Matrix Spike	105	112
890-6137-A-1-D MSD	Matrix Spike Duplicate	110	117
LCS 880-73255/1-A	Lab Control Sample	105	112
LCSD 880-73255/2-A	Lab Control Sample Dup	110	118
MB 880-73255/5-A	Method Blank	69 S1-	94
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)
880-39151-1	H-1 (0-0.5')	105	86
880-39151-2	H-2 (0-0.5')	121	100
880-39151-3	H-3 (0-0.5')	114	93
880-39151-4	H-4 (0-0.5')	111	93
880-39151-5	H-5 (0-0.5')	109	87
880-39151-6	H-6 (0-0.5')	101	83
880-39151-7	H-7 (0-0.5')	120	100
880-39151-8	H-8 (0-0.5')	127	105
890-6119-A-1-C MS	Matrix Spike	128	95
890-6119-A-1-D MSD	Matrix Spike Duplicate	119	89
LCS 880-72729/2-A	Lab Control Sample	105	117
LCSD 880-72729/3-A	Lab Control Sample Dup	106	107
MB 880-72729/1-A	Method Blank	271 S1+	242 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73255/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73418							Prep Batch: 73255		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				02/15/24 12:32	02/18/24 17:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/15/24 12:32	02/18/24 17:27	1

Lab Sample ID: LCS 880-73255/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73418							Prep Batch: 73255		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.08643		mg/Kg		86	70 - 130	
Toluene		0.100	0.08482		mg/Kg		85	70 - 130	
Ethylbenzene		0.100	0.09440		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene		0.200	0.1953		mg/Kg		98	70 - 130	
o-Xylene		0.100	0.09495		mg/Kg		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	112		70 - 130						

Lab Sample ID: LCSD 880-73255/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73418							Prep Batch: 73255			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.08392		mg/Kg		84	70 - 130	3	35
Toluene		0.100	0.08055		mg/Kg		81	70 - 130	5	35
Ethylbenzene		0.100	0.09192		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.1909		mg/Kg		95	70 - 130	2	35
o-Xylene		0.100	0.09303		mg/Kg		93	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	110		70 - 130							
1,4-Difluorobenzene (Surr)	118		70 - 130							

Lab Sample ID: 890-6137-A-1-C MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73418							Prep Batch: 73255		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.07880		mg/Kg		79	70 - 130
Toluene	<0.00199	U	0.100	0.07675		mg/Kg		77	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-6137-A-1-C MS
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.08689		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1785		mg/Kg		89	70 - 130
o-Xylene	<0.00199	U	0.100	0.08695		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	112		70 - 130						

Lab Sample ID: 890-6137-A-1-D MSD
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09740		mg/Kg		97	70 - 130	21	35
Toluene	<0.00199	U	0.101	0.09025		mg/Kg		90	70 - 130	16	35
Ethylbenzene	<0.00199	U	0.101	0.1004		mg/Kg		100	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2101		mg/Kg		104	70 - 130	16	35
o-Xylene	<0.00199	U	0.101	0.1016		mg/Kg		101	70 - 130	16	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	117		70 - 130								

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

Lab Sample ID: MB 880-72729/1-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72729

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		02/09/24 11:20	02/16/24 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 11:20	02/16/24 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 11:20	02/16/24 19:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	271	S1+	70 - 130						
o-Terphenyl	242	S1+	70 - 130						

Lab Sample ID: LCS 880-72729/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	930.8		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-72729/2-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72729

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-72729/3-A
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72729

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1018		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	956.9		mg/Kg		96	70 - 130	3	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	106										
o-Terphenyl	107										

Lab Sample ID: 890-6119-A-1-C MS
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1139		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.2	U	1010	1333		mg/Kg		129	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	128										
o-Terphenyl	95										

Lab Sample ID: 890-6119-A-1-D MSD
Matrix: Solid
Analysis Batch: 73314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72729

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	<50.2	U	1010	1006		mg/Kg		95	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.2	U	1010	1241		mg/Kg		120	70 - 130	7	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	119										
o-Terphenyl	89										

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72702/1-A

Matrix: Solid

Analysis Batch: 72842

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			02/12/24 12:14	1

Lab Sample ID: LCS 880-72702/2-A

Matrix: Solid

Analysis Batch: 72842

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-72702/3-A

Matrix: Solid

Analysis Batch: 72842

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	253.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-39150-A-4-B MS

Matrix: Solid

Analysis Batch: 72842

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	2010	F1	1260	3190		mg/Kg		93	90 - 110

Lab Sample ID: 880-39150-A-4-C MSD

Matrix: Solid

Analysis Batch: 72842

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	2010	F1	1260	3421	F1	mg/Kg		111	90 - 110	7	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 73255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-73255/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73255/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73255/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6137-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-6137-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	8021B	73255
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	8021B	73255
MB 880-73255/5-A	Method Blank	Total/NA	Solid	8021B	73255
LCS 880-73255/1-A	Lab Control Sample	Total/NA	Solid	8021B	73255
LCSD 880-73255/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73255
890-6137-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	73255
890-6137-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73255

Analysis Batch: 73596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 72729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-72729/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72729/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6119-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6119-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	72729
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	72729
MB 880-72729/1-A	Method Blank	Total/NA	Solid	8015B NM	72729
LCS 880-72729/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72729
LCSD 880-72729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72729
890-6119-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72729
890-6119-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72729

Analysis Batch: 73533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-39151-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-39151-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-72702/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72702/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72702/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39150-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County,New Mexico

HPLC/IC (Continued)

Leach Batch: 72702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39150-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 72842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39151-1	H-1 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-2	H-2 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-3	H-3 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-4	H-4 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-5	H-5 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-6	H-6 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-7	H-7 (0-0.5')	Soluble	Solid	300.0	72702
880-39151-8	H-8 (0-0.5')	Soluble	Solid	300.0	72702
MB 880-72702/1-A	Method Blank	Soluble	Solid	300.0	72702
LCS 880-72702/2-A	Lab Control Sample	Soluble	Solid	300.0	72702
LCSD 880-72702/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72702
880-39150-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	72702
880-39150-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72702

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County,New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-1
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			5.03 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 23:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/18/24 23:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 00:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 00:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 12:59	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-2
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			5.00 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 23:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/18/24 23:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 01:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 01:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 13:05	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-3
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			5.00 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 23:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/18/24 23:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 01:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 01:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 13:11	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-4
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			4.95 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/19/24 00:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/19/24 00:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County,New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-4
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			73533	02/17/24 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 01:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		10			72842	02/12/24 13:30	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-5
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			4.98 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/19/24 00:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/19/24 00:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 02:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 13:37	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-6
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			4.96 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/19/24 00:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/19/24 00:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 02:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 02:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		5			72842	02/12/24 13:43	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-7
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			5.03 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/19/24 01:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/19/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 03:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County,New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-7
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			4.97 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		10			72842	02/12/24 13:49	CH	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 02/07/24 00:00
Date Received: 02/08/24 15:23

Lab Sample ID: 880-39151-8
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	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/19/24 01:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73596	02/19/24 01:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			73533	02/17/24 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	72729	02/09/24 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73314	02/17/24 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72702	02/09/24 08:26	SA	EET MID
Soluble	Analysis	300.0		20			72842	02/12/24 13:56	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: Fiddle Fee 23X 1H

Job ID: 880-39151-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-39151-1
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: Fiddle Fee 23X 1H

Job ID: 880-39151-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39151-1	H-1 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-2	H-2 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-3	H-3 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-4	H-4 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-5	H-5 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-6	H-6 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-7	H-7 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23
880-39151-8	H-8 (0-0.5')	Solid	02/07/24 00:00	02/08/24 15:23



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

Project Manager	Clinton Merritt	Bill to: (if different)	Isaac Castro
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	icastro@marathonoil.com

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

Project Name.		Fiddle Fee 23X 1H		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number	2261	☒ Routine ☐ 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	IR																HCL HC	HNO ₃ HN	
PO #:	CL 24 00354																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											Sample Comments	
H-1 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-2 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-3 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-4 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-5 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-6 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-7 (0-0.5')		2/7/2024		X		G	1	X	X	X									
H-8 (0-0.5')		2/7/2024		X		G	1	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
	2-8-24		02-08-24
			323



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39151-1

SDG Number: Eddy County, New Mexico

Login Number: 39151

List Number: 1

Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 4/8/2024 3:19:44 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-41628-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/8/2024 3:19:44 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	26

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-41628-1

Job ID: 880-41628-1

Eurofins Midland

Job Narrative
880-41628-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/1/2024 11:25 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 -3.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-4 (0-0.5') (880-41628-1), H-5 (0-0.5') (880-41628-2), H-7 (0-0.5') (880-41628-3) and H-8 (0-0.5') (880-41628-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-77047 and analytical batch 880-77098 was outside the control limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-77079 and analytical batch 880-77092 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-41621-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-77079 and analytical batch 880-77092 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-77174 and analytical batch 880-77162 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-8 (0-0.5') (880-41628-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-77174 and analytical batch 880-77162 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-77123, 880-77123 and 880-77123 and analytical batch 880-77316 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.

H-4 (0-0.5') (880-41628-1), H-5 (0-0.5') (880-41628-2), H-7 (0-0.5') (880-41628-3), H-8 (0-0.5') (880-41628-4), (880-41608-A-61-A), (880-41608-A-61-B MS) and (880-41608-A-61-C MSD)

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-41628-1

Job ID: 880-41628-1 (Continued)

Eurofins Midland

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-77123 and analytical batch 880-77316 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.

(880-41651-A-2-A), (880-41651-A-2-B MS) and (880-41651-A-2-C MSD)

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

Eurofins Midland

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

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
Toluene	0.00293		0.00199		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/01/24 13:13	04/02/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				04/01/24 13:13	04/02/24 16:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/01/24 13:13	04/02/24 16:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/02/24 16:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/02/24 19:00	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	<49.8	U	49.8		mg/Kg		04/01/24 15:00	04/02/24 19:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/01/24 15:00	04/02/24 19:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/01/24 15:00	04/02/24 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				04/01/24 15:00	04/02/24 19:00	1
o-Terphenyl	114		70 - 130				04/01/24 15:00	04/02/24 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		25.2		mg/Kg			04/06/24 06:30	5

Client Sample ID: H-5 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-2
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		04/01/24 13:13	04/02/24 17:02	1
Toluene	0.00402		0.00198		mg/Kg		04/01/24 13:13	04/02/24 17:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/01/24 13:13	04/02/24 17:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/01/24 13:13	04/02/24 17:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/01/24 13:13	04/02/24 17:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/01/24 13:13	04/02/24 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/01/24 13:13	04/02/24 17:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/01/24 13:13	04/02/24 17:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-41628-2

Date Collected: 03/29/24 00:00

Matrix: Solid

Date Received: 04/01/24 11:25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00402		0.00396		mg/Kg			04/02/24 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			04/02/24 19:21	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	<49.5	U	49.5		mg/Kg		04/01/24 15:00	04/02/24 19:21	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		04/01/24 15:00	04/02/24 19:21	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		04/01/24 15:00	04/02/24 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				04/01/24 15:00	04/02/24 19:21	1
o-Terphenyl	104		70 - 130				04/01/24 15:00	04/02/24 19:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		4.96		mg/Kg			04/06/24 06:36	1

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

Lab Sample ID: 880-41628-3

Date Collected: 03/29/24 00:00

Matrix: Solid

Date Received: 04/01/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
Toluene	0.00376		0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/24 13:13	04/02/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				04/01/24 13:13	04/02/24 17:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/01/24 13:13	04/02/24 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/02/24 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/03/24 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 12:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 12:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-41628-3

Date Collected: 03/29/24 00:00

Matrix: Solid

Date Received: 04/01/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				04/03/24 08:52	04/03/24 12:13	1
o-Terphenyl	104		70 - 130				04/03/24 08:52	04/03/24 12:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.03		mg/Kg			04/06/24 06:42	1

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

Lab Sample ID: 880-41628-4

Date Collected: 03/29/24 00:00

Matrix: Solid

Date Received: 04/01/24 11:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
Toluene	0.00351		0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/01/24 13:13	04/02/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/01/24 13:13	04/02/24 17:43	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/01/24 13:13	04/02/24 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/02/24 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/03/24 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/03/24 08:52	04/03/24 13:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/03/24 08:52	04/03/24 13:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/03/24 08:52	04/03/24 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				04/03/24 08:52	04/03/24 13:18	1
o-Terphenyl	110		70 - 130				04/03/24 08:52	04/03/24 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		5.00		mg/Kg			04/06/24 06:49	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
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)
880-41621-A-13-A MS	Matrix Spike	89	96
880-41621-A-13-B MSD	Matrix Spike Duplicate	86	95
880-41628-1	H-4 (0-0.5')	84	97
880-41628-2	H-5 (0-0.5')	91	102
880-41628-3	H-7 (0-0.5')	86	100
880-41628-4	H-8 (0-0.5')	94	92
LCS 880-77047/1-A	Lab Control Sample	92	95
LCSD 880-77047/2-A	Lab Control Sample Dup	101	93
MB 880-77047/5-A	Method Blank	64 S1-	102
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)
880-41621-A-1-C MS	Matrix Spike	130	109
880-41621-A-1-D MSD	Matrix Spike Duplicate	138 S1+	110
880-41628-1	H-4 (0-0.5')	128	114
880-41628-2	H-5 (0-0.5')	120	104
880-41628-3	H-7 (0-0.5')	119	104
880-41628-3 MS	H-7 (0-0.5')	127	101
880-41628-3 MSD	H-7 (0-0.5')	126	100
880-41628-4	H-8 (0-0.5')	132 S1+	110
LCS 880-77079/2-A	Lab Control Sample	112	115
LCS 880-77174/2-A	Lab Control Sample	106	111
LCSD 880-77079/3-A	Lab Control Sample Dup	105	112
LCSD 880-77174/3-A	Lab Control Sample Dup	105	105
MB 880-77079/1-A	Method Blank	176 S1+	176 S1+
MB 880-77174/1-A	Method Blank	184 S1+	179 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-77047/5-A

Matrix: Solid

Analysis Batch: 77098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 77047

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/24 11:17	04/02/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/01/24 11:17	04/02/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/01/24 11:17	04/02/24 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/01/24 11:17	04/02/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/01/24 11:17	04/02/24 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/01/24 11:17	04/02/24 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	04/01/24 11:17	04/02/24 11:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/01/24 11:17	04/02/24 11:48	1

Lab Sample ID: LCS 880-77047/1-A

Matrix: Solid

Analysis Batch: 77098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 77047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1115		mg/Kg		112	70 - 130
Toluene	0.100	0.09657		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09830		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09379		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-77047/2-A

Matrix: Solid

Analysis Batch: 77098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 77047

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1086		mg/Kg		109	70 - 130	3	35
Toluene	0.100	0.1065		mg/Kg		107	70 - 130	10	35
Ethylbenzene	0.100	0.1096		mg/Kg		110	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2154		mg/Kg		108	70 - 130	13	35
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-41621-A-13-A MS

Matrix: Solid

Analysis Batch: 77098

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 77047

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.09941		mg/Kg		100	70 - 130
Toluene	0.00332		0.0992	0.08886		mg/Kg		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-41621-A-13-A MS
Matrix: Solid
Analysis Batch: 77098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 77047

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0992	0.08438		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1604		mg/Kg		81	70 - 130
o-Xylene	<0.00199	U	0.0992	0.07983		mg/Kg		80	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 880-41621-A-13-B MSD
Matrix: Solid
Analysis Batch: 77098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 77047

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09449		mg/Kg		94	70 - 130	5	35
Toluene	0.00332		0.101	0.08310		mg/Kg		79	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.101	0.07836		mg/Kg		78	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1484		mg/Kg		74	70 - 130	8	35
o-Xylene	<0.00199	U	0.101	0.07437		mg/Kg		74	70 - 130	7	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

Lab Sample ID: MB 880-77079/1-A
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/01/24 15:00	04/02/24 08:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/01/24 15:00	04/02/24 08:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/01/24 15:00	04/02/24 08:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	176	S1+	70 - 130						
o-Terphenyl	176	S1+	70 - 130						

Lab Sample ID: LCS 880-77079/2-A
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	971.8		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1039		mg/Kg		104	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-77079/2-A
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77079

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-77079/3-A
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.6		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1066		mg/Kg		107	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-41621-A-1-C MS
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 77079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	1260		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1139		mg/Kg		109	70 - 130

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

Lab Sample ID: 880-41621-A-1-D MSD
Matrix: Solid
Analysis Batch: 77092

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 77079

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	<49.8	U F1	999	1375	F1	mg/Kg		135	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1172		mg/Kg		113	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	110		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-77174/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 77162							Prep Batch: 77174		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 09:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 09:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/03/24 08:52	04/03/24 09:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	184	S1+	70 - 130				04/03/24 08:52	04/03/24 09:39	1
o-Terphenyl	179	S1+	70 - 130				04/03/24 08:52	04/03/24 09:39	1

Lab Sample ID: LCS 880-77174/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 77162							Prep Batch: 77174		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	934.1		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	980.5		mg/Kg		98	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: LCSD 880-77174/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 77162							Prep Batch: 77174			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	998.8		mg/Kg		100	70 - 130	7	20
Diesel Range Organics (Over C10-C28)		1000	1027		mg/Kg		103	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	105		70 - 130							
o-Terphenyl	105		70 - 130							

Lab Sample ID: 880-41628-3 MS							Client Sample ID: H-7 (0-0.5')			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 77162							Prep Batch: 77174			
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	1273		mg/Kg		126	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1226		mg/Kg		121	70 - 130	

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-41628-3 MS
Matrix: Solid
Analysis Batch: 77162

Client Sample ID: H-7 (0-0.5')
Prep Type: Total/NA
Prep Batch: 77174

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-41628-3 MSD
Matrix: Solid
Analysis Batch: 77162

Client Sample ID: H-7 (0-0.5')
Prep Type: Total/NA
Prep Batch: 77174

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	997	1281		mg/Kg		127	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1240		mg/Kg		123	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-77123/1-A
Matrix: Solid
Analysis Batch: 77316

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/06/24 05:13	1

Lab Sample ID: LCS 880-77123/2-A
Matrix: Solid
Analysis Batch: 77316

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	273.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-77123/3-A
Matrix: Solid
Analysis Batch: 77316

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	273.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-41608-A-61-B MS
Matrix: Solid
Analysis Batch: 77316

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	4870	F1	2500	7965	F1	mg/Kg		124	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-41608-A-61-C MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 77316												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	4870	F1	2500	7875	F1	mg/Kg		120	90 - 110	1	20	

Lab Sample ID: 880-41651-A-2-B MS					Client Sample ID: Matrix Spike							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 77316												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	219	F1	251	503.2	F1	mg/Kg		113	90 - 110			

Lab Sample ID: 880-41651-A-2-C MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 77316												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	219	F1	251	502.0	F1	mg/Kg		113	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 77047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	5035	
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	5035	
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	5035	
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-77047/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-77047/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-77047/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-41621-A-13-A MS	Matrix Spike	Total/NA	Solid	5035	
880-41621-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 77098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	8021B	77047
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	8021B	77047
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	8021B	77047
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	8021B	77047
MB 880-77047/5-A	Method Blank	Total/NA	Solid	8021B	77047
LCS 880-77047/1-A	Lab Control Sample	Total/NA	Solid	8021B	77047
LCSD 880-77047/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	77047
880-41621-A-13-A MS	Matrix Spike	Total/NA	Solid	8021B	77047
880-41621-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	77047

Analysis Batch: 77227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 77079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-77079/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-77079/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-77079/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-41621-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-41621-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 77092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	8015B NM	77079
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	8015B NM	77079
MB 880-77079/1-A	Method Blank	Total/NA	Solid	8015B NM	77079
LCS 880-77079/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	77079
LCSD 880-77079/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	77079
880-41621-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	77079
880-41621-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	77079

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 77162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	8015B NM	77174
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	8015B NM	77174
MB 880-77174/1-A	Method Blank	Total/NA	Solid	8015B NM	77174
LCS 880-77174/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	77174
LCSD 880-77174/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	77174
880-41628-3 MS	H-7 (0-0.5')	Total/NA	Solid	8015B NM	77174
880-41628-3 MSD	H-7 (0-0.5')	Total/NA	Solid	8015B NM	77174

Prep Batch: 77174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-77174/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-77174/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-77174/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-41628-3 MS	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-41628-3 MSD	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 77200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-41628-2	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-41628-3	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-41628-4	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 77123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-41628-2	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-41628-3	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-41628-4	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-77123/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-77123/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-77123/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-41608-A-61-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-41608-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-41651-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-41651-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 77316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41628-1	H-4 (0-0.5')	Soluble	Solid	300.0	77123
880-41628-2	H-5 (0-0.5')	Soluble	Solid	300.0	77123
880-41628-3	H-7 (0-0.5')	Soluble	Solid	300.0	77123
880-41628-4	H-8 (0-0.5')	Soluble	Solid	300.0	77123
MB 880-77123/1-A	Method Blank	Soluble	Solid	300.0	77123
LCS 880-77123/2-A	Lab Control Sample	Soluble	Solid	300.0	77123
LCSD 880-77123/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	77123
880-41608-A-61-B MS	Matrix Spike	Soluble	Solid	300.0	77123

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 77316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41608-A-61-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	77123
880-41651-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	77123
880-41651-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	77123

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-1
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			5.02 g	5 mL	77047	04/01/24 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77098	04/02/24 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77227	04/02/24 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			77200	04/02/24 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	77079	04/01/24 15:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77092	04/02/24 19:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	77123	04/02/24 11:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	77316	04/06/24 06:30	SMC	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-2
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			5.05 g	5 mL	77047	04/01/24 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77098	04/02/24 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77227	04/02/24 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			77200	04/02/24 19:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	77079	04/01/24 15:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77092	04/02/24 19:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	77123	04/02/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77316	04/06/24 06:36	SMC	EET MID

Client Sample ID: H-7 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-3
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			5.00 g	5 mL	77047	04/01/24 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77098	04/02/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77227	04/02/24 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			77200	04/03/24 12:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	77174	04/03/24 08:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77162	04/03/24 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	77123	04/02/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77316	04/06/24 06:42	SMC	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-4
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			5.01 g	5 mL	77047	04/01/24 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77098	04/02/24 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77227	04/02/24 17:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Client Sample ID: H-8 (0-0.5')
Date Collected: 03/29/24 00:00
Date Received: 04/01/24 11:25

Lab Sample ID: 880-41628-4
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			77200	04/03/24 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	77174	04/03/24 08:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77162	04/03/24 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	77123	04/02/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77316	04/06/24 06:49	SMC	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-41628-1
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

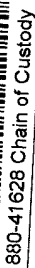
Sample Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-41628-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-41628-1	H-4 (0-0.5')	Solid	03/29/24 00:00	04/01/24 11:25
880-41628-2	H-5 (0-0.5')	Solid	03/29/24 00:00	04/01/24 11:25
880-41628-3	H-7 (0-0.5')	Solid	03/29/24 00:00	04/01/24 11:25
880-41628-4	H-8 (0-0.5')	Solid	03/29/24 00:00	04/01/24 11:25

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



Project Manager	Clinton Merritt		Bill to: (if different)	Isaac Castro
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	icastro@marathonoil.com

Project Name:		Fiddle Fee 23X 1H				Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		2261				☒ Routine ☐ Rush		Due Date		5 day														None NO	
Project Location:		Eddy County New Mexico																						Cool Cool	
Sampler's Name:		IR																						HCL HC	
PO #:		CL 24 00354																						H ₂ SO ₄ H ₂	
SAMPLE RECEIPT Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers:		Temp Blank		Yes No		Wet Ice		Yes No		Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0														H ₃ PO ₄ HP	
		Thermometer ID																						NaHSO ₄ NABIS	
		Correction Factor																						Na ₂ S ₂ O ₃ NaSO-	
		Temperature Reading																						Zn Acetate+NaOH Zn	
		Corrected Temperature																						NaOH+Ascorbic Acid SACP	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Sample Comments											
H-4 (0-0 5')		2/7/2024				X				G		1													
H-5 (0-0 5')		2/7/2024				X				G		1													
H-7 (0-0 5')		2/7/2024				X				G		1													
H-8 (0-0 5')		2/7/2024				X				G		1													
		3/29/24																							

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
	4/12/11		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-41628-1

SDG Number: Eddy County, New Mexico

Login Number: 41628

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



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

April 16, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: FIDDLE FEE 23X 1H

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 8:02.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/15/2024
 Reported: 04/16/2024
 Project Name: FIDDLE FEE 23X 1H
 Project Number: 2261
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 4 (0-0.5') (H241956-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2024	ND	2.29	114	2.00	1.75	
Toluene*	<0.050	0.050	04/15/2024	ND	2.20	110	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.13	107	2.00	1.77	
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.26	104	6.00	2.04	
Total BTX	<0.300	0.300	04/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/15/2024	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	192	96.1	200	0.121	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	189	94.4	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: 4241956

Page 4 of 4

Released to Imaging: 6/25/2024 11:18:25 AM



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/19/2024 2:13:19 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-42375-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/19/2024 2:13:19 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-42375-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Fiddle Fee 23X 1H

Job ID: 880-42375-1

Job ID: 880-42375-1

Eurofins Midland

Job Narrative
880-42375-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/17/2024 2:29 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 0.8°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-42375-1).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-78438 recovered above the upper control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-78438/20).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78474 and analytical batch 880-78438 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78503 and analytical batch 880-78553 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-78503 and analytical batch 880-78553 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78412 and 880-78412 and analytical batch 880-78530 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.

(885-2776-B-9-A), (885-2776-B-9-B MS) and (885-2776-B-9-C MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78412 and analytical batch 880-78530 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.

H-1 (0-0.5') (880-42375-1)

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-42375-1

Job ID: 880-42375-1 (Continued)

Eurofins Midland

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 04/12/24 00:00
Date Received: 04/17/24 14:29

Lab Sample ID: 880-42375-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/17/24 11:00	04/18/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				04/17/24 11:00	04/18/24 05:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/17/24 11:00	04/18/24 05:11	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			04/18/24 05:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/18/24 10:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/17/24 14:05	04/18/24 10:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/17/24 14:05	04/18/24 10:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/17/24 14:05	04/18/24 10:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				04/17/24 14:05	04/18/24 10:59	1
o-Terphenyl	73		70 - 130				04/17/24 14:05	04/18/24 10:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.76		4.96		mg/Kg			04/17/24 23:36	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
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)
880-42339-A-1-G MS	Matrix Spike	93	108
880-42339-A-1-H MSD	Matrix Spike Duplicate	119	108
880-42375-1	H-1 (0-0.5')	76	104
LCS 880-78474/1-A	Lab Control Sample	118	109
LCSD 880-78474/2-A	Lab Control Sample Dup	113	104
MB 880-78383/5-A	Method Blank	80	93
MB 880-78474/5-A	Method Blank	80	92
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)
880-42375-1	H-1 (0-0.5')	72	73
890-6492-A-181-B MS	Matrix Spike	103	96
890-6492-A-181-C MSD	Matrix Spike Duplicate	90	86
LCS 880-78503/2-A	Lab Control Sample	99	121
LCSD 880-78503/3-A	Lab Control Sample Dup	86	93
MB 880-78503/1-A	Method Blank	139 S1+	139 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78383/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78438							Prep Batch: 78383		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				04/16/24 11:46	04/17/24 11:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/16/24 11:46	04/17/24 11:40	1

Lab Sample ID: MB 880-78474/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78438							Prep Batch: 78474		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/24 11:00	04/17/24 22:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				04/17/24 11:00	04/17/24 22:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/17/24 11:00	04/17/24 22:20	1

Lab Sample ID: LCS 880-78474/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78438							Prep Batch: 78474		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.08948		mg/Kg		89	70 - 130		
Toluene	0.100	0.1049		mg/Kg		105	70 - 130		
Ethylbenzene	0.100	0.1212		mg/Kg		121	70 - 130		
m-Xylene & p-Xylene	0.200	0.2342		mg/Kg		117	70 - 130		
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	118		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: LCSD 880-78474/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78438							Prep Batch: 78474		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08307		mg/Kg		83	70 - 130	7	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-78474/2-A
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78474

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Result				Limits	RPD	Limit	Limit
Toluene	0.100	0.08395			mg/Kg		84	70 - 130	22	35	35
Ethylbenzene	0.100	0.1128			mg/Kg		113	70 - 130	7	35	35
m-Xylene & p-Xylene	0.200	0.2171			mg/Kg		109	70 - 130	8	35	35
o-Xylene	0.100	0.1073			mg/Kg		107	70 - 130	7	35	35
LCSD		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: 880-42339-A-1-G MS
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 78474

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00199	U	0.101	0.09083		mg/Kg		90	70 - 130		
Toluene	<0.00199	U	0.101	0.09816		mg/Kg		97	70 - 130		
Ethylbenzene	<0.00199	U F1	0.101	0.09751		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1808		mg/Kg		90	70 - 130		
o-Xylene	<0.00199	U	0.101	0.08792		mg/Kg		87	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		70 - 130								
1,4-Difluorobenzene (Surr)	108		70 - 130								

Lab Sample ID: 880-42339-A-1-H MSD
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 78474

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Benzene	<0.00199	U	0.0998	0.09787		mg/Kg		98	70 - 130	7	35
Toluene	<0.00199	U	0.0998	0.1153		mg/Kg		116	70 - 130	16	35
Ethylbenzene	<0.00199	U F1	0.0998	0.1338	F1	mg/Kg		134	70 - 130	31	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2531		mg/Kg		127	70 - 130	33	35
o-Xylene	<0.00199	U	0.0998	0.1239		mg/Kg		124	70 - 130	34	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	119		70 - 130								
1,4-Difluorobenzene (Surr)	108		70 - 130								

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

Lab Sample ID: MB 880-78503/1-A
Matrix: Solid
Analysis Batch: 78553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78503

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/17/24 14:04	04/18/24 07:31	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-78503/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78553							Prep Batch: 78503		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/17/24 14:04	04/18/24 07:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/17/24 14:04	04/18/24 07:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				04/17/24 14:04	04/18/24 07:31	1
o-Terphenyl	139	S1+	70 - 130				04/17/24 14:04	04/18/24 07:31	1

Lab Sample ID: LCS 880-78503/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78553							Prep Batch: 78503		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	957.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1016		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	121		70 - 130						

Lab Sample ID: LCSD 880-78503/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 78553							Prep Batch: 78503			
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Gasoline Range Organics (GRO)-C6-C10			1000	929.6		mg/Kg		93	70 - 130	3
Diesel Range Organics (Over C10-C28)			1000	938.4		mg/Kg		94	70 - 130	8
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	86		70 - 130							
o-Terphenyl	93		70 - 130							

Lab Sample ID: 890-6492-A-181-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 78553							Prep Batch: 78503			
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	1000	1195		mg/Kg		116	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	927.7		mg/Kg		90	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	96		70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-6492-A-181-C MSD

Matrix: Solid

Analysis Batch: 78553

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 78503

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	1000	1141		mg/Kg		111	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	830.7		mg/Kg		80	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78412/1-A

Matrix: Solid

Analysis Batch: 78530

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/17/24 21:25	1

Lab Sample ID: LCS 880-78412/2-A

Matrix: Solid

Analysis Batch: 78530

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-78412/3-A

Matrix: Solid

Analysis Batch: 78530

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 885-2776-B-9-B MS

Matrix: Solid

Analysis Batch: 78530

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	193	F1	249	472.3	F1	mg/Kg		112	90 - 110

Lab Sample ID: 885-2776-B-9-C MSD

Matrix: Solid

Analysis Batch: 78530

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	193	F1	249	471.6	F1	mg/Kg		112	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 78383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78383/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 78438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	8021B	78474
MB 880-78383/5-A	Method Blank	Total/NA	Solid	8021B	78383
MB 880-78474/5-A	Method Blank	Total/NA	Solid	8021B	78474
LCS 880-78474/1-A	Lab Control Sample	Total/NA	Solid	8021B	78474
LCSD 880-78474/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78474
880-42339-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	78474
880-42339-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	78474

Prep Batch: 78474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-78474/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78474/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78474/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42339-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-42339-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 78681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 78503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-78503/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78503/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78503/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6492-A-181-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6492-A-181-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	78503
MB 880-78503/1-A	Method Blank	Total/NA	Solid	8015B NM	78503
LCS 880-78503/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78503
LCSD 880-78503/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78503
890-6492-A-181-B MS	Matrix Spike	Total/NA	Solid	8015B NM	78503
890-6492-A-181-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	78503

Analysis Batch: 78763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 78412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-78412/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78412/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78412/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-2776-B-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
885-2776-B-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 78530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42375-1	H-1 (0-0.5')	Soluble	Solid	300.0	78412
MB 880-78412/1-A	Method Blank	Soluble	Solid	300.0	78412
LCS 880-78412/2-A	Lab Control Sample	Soluble	Solid	300.0	78412
LCSD 880-78412/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78412
885-2776-B-9-B MS	Matrix Spike	Soluble	Solid	300.0	78412
885-2776-B-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78412

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 04/12/24 00:00
Date Received: 04/17/24 14:29

Lab Sample ID: 880-42375-1
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	78474	04/17/24 11:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/18/24 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78681	04/18/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			78763	04/18/24 10:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78503	04/17/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78553	04/18/24 10:59	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78412	04/17/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78530	04/17/24 23:36	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-42375-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-42375-1
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: Fiddle Fee 23X 1H

Job ID: 880-42375-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42375-1	H-1 (0-0.5')	Solid	04/12/24 00:00	04/17/24 14:29

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



8880-42375 Chain of Custody

Page 1 of 1

Work Order Comments

Program ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project

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

Deliverables EDD ☐ ADaPT ☐ Other ☐

Project Manager	Clinton Merritt		Bill to (if different)	Carmona Resources
Company Name	Carmona Resources		Company Name	
Address	310 W Wall St Ste 500		Address	
City, State ZIP	Midland, TX 79701		City, State ZIP	
Phone			Email	

[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
	11/17/24		11/17/24

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-42375-1
SDG Number: Eddy County, New Mexico

Login Number: 42375
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/14/2024 2:44:41 PM

JOB DESCRIPTION

Fiddle Fee 23X 1H
Eddy County, New Mexico

JOB NUMBER

880-44496-1

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
6/14/2024 2:44:41 PM

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

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Laboratory Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	26
QC Sample Results	28
QC Association Summary	39
Lab Chronicle	46
Certification Summary	54
Method Summary	55
Sample Summary	56
Receipt Checklists	57

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
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, low biased.
*1	LCS/LCSD 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: Fiddle Fee 23X 1H

Job ID: 880-44496-1

Job ID: 880-44496-1

Eurofins Midland

Job Narrative 880-44496-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/7/2024 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1') (880-44496-1), CS-2 (1') (880-44496-2), CS-3 (1') (880-44496-3), CS-4 (1') (880-44496-4), CS-5 (1') (880-44496-5), CS-6 (1') (880-44496-6), CS-7 (1') (880-44496-7), CS-8 (1') (880-44496-8), CS-9 (1') (880-44496-9), CS-10 (1') (880-44496-10), CS-11 (1') (880-44496-11), SW-1 (1') (880-44496-12), SW-2 (1') (880-44496-13), SW-3 (1') (880-44496-14), SW-4 (1') (880-44496-15), SW-5 (1') (880-44496-16), SW-6 (1') (880-44496-17), SW-7 (1') (880-44496-18), SW-8 (1') (880-44496-19), SW-9 (1') (880-44496-20), SW-10 (1') (880-44496-21), SW-11 (1') (880-44496-22), SW-12 (1') (880-44496-23), SW-13 (1') (880-44496-24) and SW-14 (1') (880-44496-25).

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: The laboratory control sample (LCS) associated with preparation batch 880-82680 and analytical batch 880-82970 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: Surrogate recovery for the following samples were outside control limits: CS-1 (1') (880-44496-1), CS-2 (1') (880-44496-2), CS-4 (1') (880-44496-4), CS-5 (1') (880-44496-5), CS-6 (1') (880-44496-6), CS-7 (1') (880-44496-7), CS-9 (1') (880-44496-9), CS-10 (1') (880-44496-10) and (MB 880-82680/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-82955 and analytical batch 880-83070 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-82915 and analytical batch 880-83072 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (1') (880-44496-12), SW-2 (1') (880-44496-13), SW-3 (1') (880-44496-14), SW-4 (1') (880-44496-15), SW-5 (1') (880-44496-16), SW-6 (1') (880-44496-17), SW-7 (1') (880-44496-18), SW-8 (1') (880-44496-19), SW-9 (1') (880-44496-20), (LCS 880-82915/2-A) and (880-44536-A-1-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-82915 and analytical batch 880-83072 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 continuing calibration verification (CCV) associated with batch 880-83072 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-83072/43).

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Fiddle Fee 23X 1H

Job ID: 880-44496-1

Job ID: 880-44496-1 (Continued)

Eurofins Midland

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.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-44496-1

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/07/24 22:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 22:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 22:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/07/24 22:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 22:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/07/24 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/07/24 13:26	06/07/24 22:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/07/24 22:49	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			06/07/24 22:49	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			06/12/24 12:51	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	<50.0	U *- *1	50.0		mg/Kg		06/07/24 15:47	06/12/24 12:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		06/07/24 15:47	06/12/24 12:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/07/24 15:47	06/12/24 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/07/24 15:47	06/12/24 12:51	1
o-Terphenyl	67	S1-	70 - 130	06/07/24 15:47	06/12/24 12:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7520		99.4		mg/Kg			06/10/24 14:56	20

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-44496-2

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/07/24 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 23:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/07/24 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 23:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/07/24 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/07/24 13:26	06/07/24 23:10	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/07/24 13:26	06/07/24 23:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-44496-2

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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			06/07/24 23:10	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			06/12/24 13:38	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 *- *1	49.9		mg/Kg		06/07/24 15:47	06/12/24 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		06/07/24 15:47	06/12/24 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/07/24 15:47	06/12/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				06/07/24 15:47	06/12/24 13:38	1
o-Terphenyl	66	S1-	70 - 130				06/07/24 15:47	06/12/24 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3560		25.0		mg/Kg			06/10/24 15:15	5

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-44496-3

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/07/24 23:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/07/24 23:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/07/24 23:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/07/24 23:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/07/24 23:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/07/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/07/24 13:26	06/07/24 23:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/07/24 23:30	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			06/07/24 23:30	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			06/12/24 13:54	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 *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 13:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 13:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-3
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		06/07/24 15:47	06/12/24 13:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	79		70 - 130				06/07/24 15:47	06/12/24 13:54	1	
o-Terphenyl	71		70 - 130				06/07/24 15:47	06/12/24 13:54	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	4450		50.2		mg/Kg			06/10/24 15:22	10	

Client Sample ID: CS-4 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-4
Matrix: Solid

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		06/07/24 13:26	06/07/24 23:51	1	
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 23:51	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 23:51	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/07/24 23:51	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/07/24 23:51	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/07/24 23:51	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130				06/07/24 13:26	06/07/24 23:51	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/07/24 23:51	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			06/07/24 23:51	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			06/12/24 14:11	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	<49.7	U *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:11	1	
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:11	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:11	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	79		70 - 130				06/07/24 15:47	06/12/24 14:11	1	
o-Terphenyl	69	S1-	70 - 130				06/07/24 15:47	06/12/24 14:11	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3710		24.9		mg/Kg			06/10/24 15:28	5	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-44496-5

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 00:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 00:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 00:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/24 13:26	06/08/24 00:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 00:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/24 13:26	06/08/24 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/07/24 13:26	06/08/24 00:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/07/24 13:26	06/08/24 00:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/08/24 00:11	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			06/12/24 14:27	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 *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/07/24 15:47	06/12/24 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/07/24 15:47	06/12/24 14:27	1
o-Terphenyl	67	S1-	70 - 130	06/07/24 15:47	06/12/24 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4130		101		mg/Kg			06/10/24 15:34	20

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-44496-6

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 00:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/07/24 13:26	06/08/24 00:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-44496-6

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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			06/08/24 00:32	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			06/12/24 14:43	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 *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 14:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 14:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/07/24 15:47	06/12/24 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				06/07/24 15:47	06/12/24 14:43	1
o-Terphenyl	64	S1-	70 - 130				06/07/24 15:47	06/12/24 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3950		99.4		mg/Kg			06/10/24 15:53	20

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-44496-7

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 00:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 00:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 00:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/07/24 13:26	06/08/24 00:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 00:52	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			06/08/24 00:52	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			06/12/24 14:58	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	<49.8	U *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 14:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/07/24 15:47	06/12/24 14:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-44496-7

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 15:47	06/12/24 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/07/24 15:47	06/12/24 14:58	1
o-Terphenyl	65	S1-	70 - 130				06/07/24 15:47	06/12/24 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3950		50.0		mg/Kg			06/10/24 15:59	10

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-44496-8

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 01:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 01:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/07/24 13:26	06/08/24 01:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 01:12	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			06/08/24 01:12	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			06/12/24 15:14	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 *- *1	49.9		mg/Kg		06/07/24 15:47	06/12/24 15:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		06/07/24 15:47	06/12/24 15:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/07/24 15:47	06/12/24 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/07/24 15:47	06/12/24 15:14	1
o-Terphenyl	71		70 - 130				06/07/24 15:47	06/12/24 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1630		50.1		mg/Kg			06/10/24 16:06	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1')

Lab Sample ID: 880-44496-9

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/07/24 13:26	06/08/24 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 01:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/07/24 13:26	06/08/24 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/07/24 13:26	06/08/24 01:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 01:33	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			06/08/24 01:33	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			06/12/24 15:30	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	<49.6	U *- *1	49.6		mg/Kg		06/07/24 15:47	06/12/24 15:30	1
Diesel Range Organics (Over C10-C28)	<49.6	U *- *1	49.6		mg/Kg		06/07/24 15:47	06/12/24 15:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/07/24 15:47	06/12/24 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	06/07/24 15:47	06/12/24 15:30	1
o-Terphenyl	68	S1-	70 - 130	06/07/24 15:47	06/12/24 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3130		49.9		mg/Kg			06/10/24 16:12	10

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-44496-10

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 01:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 01:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 01:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 01:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 01:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/07/24 13:26	06/08/24 01:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 01:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/24 01:53	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			06/12/24 15:46	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 *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 15:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		06/07/24 15:47	06/12/24 15:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/07/24 15:47	06/12/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				06/07/24 15:47	06/12/24 15:46	1
o-Terphenyl	69	S1-	70 - 130				06/07/24 15:47	06/12/24 15:46	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5320		100		mg/Kg			06/10/24 16:18	20

Client Sample ID: CS-11 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-11
Matrix: Solid

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		06/07/24 13:26	06/08/24 03:27	1	
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 03:27	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 03:27	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 03:27	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 03:27	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 03:27	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				06/07/24 13:26	06/08/24 03:27	1	
1,4-Difluorobenzene (Surr)	98		70 - 130				06/07/24 13:26	06/08/24 03:27	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/24 03:27	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			06/13/24 12:20	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		06/12/24 09:03	06/13/24 12:20	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/12/24 09:03	06/13/24 12:20	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-44496-11

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/12/24 09:03	06/13/24 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				06/12/24 09:03	06/13/24 12:20	1
o-Terphenyl	77		70 - 130				06/12/24 09:03	06/13/24 12:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4660		50.3		mg/Kg			06/10/24 16:24	10

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-44496-12

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 03:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 03:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/07/24 13:26	06/08/24 03:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 03:47	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			06/08/24 03:47	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			06/13/24 14:51	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	<49.7	U *- *1	49.7		mg/Kg		06/11/24 14:17	06/13/24 14:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7		mg/Kg		06/11/24 14:17	06/13/24 14:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/11/24 14:17	06/13/24 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				06/11/24 14:17	06/13/24 14:51	1
o-Terphenyl	62	S1-	70 - 130				06/11/24 14:17	06/13/24 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		25.1		mg/Kg			06/10/24 16:43	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-44496-13

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 04:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 04:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 04:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/08/24 04:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 04:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/08/24 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/07/24 13:26	06/08/24 04:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 04:08	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			06/08/24 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/13/24 15:07	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 *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 15:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 15:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/11/24 14:17	06/13/24 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	06/11/24 14:17	06/13/24 15:07	1
o-Terphenyl	61	S1-	70 - 130	06/11/24 14:17	06/13/24 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	328		25.1		mg/Kg			06/10/24 16:50	5

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-44496-14

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 04:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/07/24 13:26	06/08/24 04:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/07/24 13:26	06/08/24 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/07/24 13:26	06/08/24 04:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 04:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-44496-14

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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			06/08/24 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/24 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/11/24 14:17	06/13/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/11/24 14:17	06/13/24 15:24	1
o-Terphenyl	61	S1-	70 - 130				06/11/24 14:17	06/13/24 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		24.8		mg/Kg			06/10/24 17:09	5

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-44496-15

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 04:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/07/24 13:26	06/08/24 04:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 04:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/07/24 13:26	06/08/24 04:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/07/24 13:26	06/08/24 04:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 04:48	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			06/08/24 04:48	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			06/13/24 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 15:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-44496-15

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/11/24 14:17	06/13/24 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				06/11/24 14:17	06/13/24 15:42	1
o-Terphenyl	62	S1-	70 - 130				06/11/24 14:17	06/13/24 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		24.8		mg/Kg			06/10/24 17:15	5

Client Sample ID: SW-5 (1')

Lab Sample ID: 880-44496-16

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 05:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 05:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 05:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 05:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 13:26	06/08/24 05:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 13:26	06/08/24 05:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/07/24 13:26	06/08/24 05:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 05:09	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			06/08/24 05:09	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			06/13/24 15:59	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 *- *1	50.0		mg/Kg		06/11/24 14:17	06/13/24 15:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0		mg/Kg		06/11/24 14:17	06/13/24 15:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/11/24 14:17	06/13/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				06/11/24 14:17	06/13/24 15:59	1
o-Terphenyl	62	S1-	70 - 130				06/11/24 14:17	06/13/24 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		49.5		mg/Kg			06/10/24 17:21	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1')

Lab Sample ID: 880-44496-17

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 05:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 05:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/24 13:26	06/08/24 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/07/24 13:26	06/08/24 05:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 05:29	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			06/08/24 05:29	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			06/13/24 16:16	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 *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	06/11/24 14:17	06/13/24 16:16	1
o-Terphenyl	58	S1-	70 - 130	06/11/24 14:17	06/13/24 16:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		25.1		mg/Kg			06/10/24 17:28	5

Client Sample ID: SW-7 (1')

Lab Sample ID: 880-44496-18

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/07/24 13:26	06/08/24 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/08/24 05:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/07/24 13:26	06/08/24 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/07/24 13:26	06/08/24 05:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/07/24 13:26	06/08/24 05:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (1')

Lab Sample ID: 880-44496-18

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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			06/08/24 05:50	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			06/13/24 16:33	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	<49.8	U *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/11/24 14:17	06/13/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130				06/11/24 14:17	06/13/24 16:33	1
o-Terphenyl	58	S1-	70 - 130				06/11/24 14:17	06/13/24 16:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.3		5.01		mg/Kg			06/10/24 17:34	1

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-44496-19

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 06:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 06:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 06:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/08/24 06:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/24 13:26	06/08/24 06:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/24 13:26	06/08/24 06:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/07/24 13:26	06/08/24 06:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 06:10	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			06/08/24 06:10	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			06/13/24 16:50	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 *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 16:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9		mg/Kg		06/11/24 14:17	06/13/24 16:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-44496-19

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/11/24 14:17	06/13/24 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/11/24 14:17	06/13/24 16:50	1
o-Terphenyl	64	S1-	70 - 130				06/11/24 14:17	06/13/24 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		25.2		mg/Kg			06/10/24 17:40	5

Client Sample ID: SW-9 (1')

Lab Sample ID: 880-44496-20

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 13:26	06/08/24 06:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 06:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 06:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/07/24 13:26	06/08/24 06:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/07/24 13:26	06/08/24 06:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/07/24 13:26	06/08/24 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				06/07/24 13:26	06/08/24 06:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/07/24 13:26	06/08/24 06:31	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			06/08/24 06:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/13/24 17:08	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 *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 17:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8		mg/Kg		06/11/24 14:17	06/13/24 17:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/11/24 14:17	06/13/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				06/11/24 14:17	06/13/24 17:08	1
o-Terphenyl	63	S1-	70 - 130				06/11/24 14:17	06/13/24 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		4.99		mg/Kg			06/10/24 17:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1')

Lab Sample ID: 880-44496-21

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 12:00	06/07/24 18:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/24 12:00	06/07/24 18:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/24 12:00	06/07/24 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/24 12:00	06/07/24 18:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/24 12:00	06/07/24 18:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/24 12:00	06/07/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/07/24 12:00	06/07/24 18:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/07/24 12:00	06/07/24 18:20	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			06/07/24 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/08/24 21:21	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		06/05/24 09:33	06/08/24 21:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 21:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/05/24 09:33	06/08/24 21:21	1
o-Terphenyl	101		70 - 130				06/05/24 09:33	06/08/24 21:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.99		mg/Kg			06/09/24 23:05	1

Client Sample ID: SW-11 (1')

Lab Sample ID: 880-44496-22

Date Collected: 06/05/24 00:00

Matrix: Solid

Date Received: 06/07/24 12:00

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		06/07/24 12:00	06/07/24 18:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 18:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 18:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/07/24 12:00	06/07/24 18:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 18:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/07/24 12:00	06/07/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/07/24 12:00	06/07/24 18:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/07/24 12:00	06/07/24 18:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/07/24 18:40	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			06/08/24 21:37	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	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 21:37	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 21:37	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 21:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	99		70 - 130				06/05/24 09:33	06/08/24 21:37	1	
o-Terphenyl	95		70 - 130				06/05/24 09:33	06/08/24 21:37	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	49.3		4.98		mg/Kg			06/09/24 23:10	1	

Client Sample ID: SW-12 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-23
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/24 12:00	06/07/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/07/24 12:00	06/07/24 19:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/07/24 12:00	06/07/24 19:01	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			06/07/24 19:01	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			06/08/24 21:52	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	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 21:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 21:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-23
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)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 21:52	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130				06/05/24 09:33	06/08/24 21:52	1	
o-Terphenyl	100		70 - 130				06/05/24 09:33	06/08/24 21:52	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	590		25.1		mg/Kg			06/09/24 23:15	5	

Client Sample ID: SW-13 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-24
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		06/07/24 12:00	06/07/24 19:21	1	
Toluene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 19:21	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 19:21	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/07/24 12:00	06/07/24 19:21	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/07/24 12:00	06/07/24 19:21	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/07/24 12:00	06/07/24 19:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		70 - 130				06/07/24 12:00	06/07/24 19:21	1	
1,4-Difluorobenzene (Surr)	104		70 - 130				06/07/24 12:00	06/07/24 19:21	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			06/07/24 19:21	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			06/08/24 22:07	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	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 22:07	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 22:07	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/05/24 09:33	06/08/24 22:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130				06/05/24 09:33	06/08/24 22:07	1	
o-Terphenyl	111		70 - 130				06/05/24 09:33	06/08/24 22:07	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	281		25.2		mg/Kg			06/09/24 23:20	5	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-25
Matrix: Solid

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		06/07/24 12:00	06/07/24 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/24 12:00	06/07/24 19:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/24 12:00	06/07/24 19:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/24 12:00	06/07/24 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/24 12:00	06/07/24 19:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/24 12:00	06/07/24 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/07/24 12:00	06/07/24 19:42	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/07/24 12:00	06/07/24 19:42	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			06/07/24 19:42	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			06/08/24 22:21	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	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 22:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 22:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/05/24 09:33	06/08/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/05/24 09:33	06/08/24 22:21	1
o-Terphenyl	103		70 - 130				06/05/24 09:33	06/08/24 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		25.2		mg/Kg			06/09/24 23:25	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
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)				
880-44465-A-2-B MS	Matrix Spike	102	100				
880-44465-A-2-C MSD	Matrix Spike Duplicate	100	100				
880-44496-1	CS-1 (1')	110	97				
880-44496-1 MS	CS-1 (1')	107	99				
880-44496-1 MSD	CS-1 (1')	105	99				
880-44496-2	CS-2 (1')	110	98				
880-44496-3	CS-3 (1')	108	97				
880-44496-4	CS-4 (1')	107	97				
880-44496-5	CS-5 (1')	108	96				
880-44496-6	CS-6 (1')	111	97				
880-44496-7	CS-7 (1')	111	97				
880-44496-8	CS-8 (1')	110	97				
880-44496-9	CS-9 (1')	108	97				
880-44496-10	CS-10 (1')	111	97				
880-44496-11	CS-11 (1')	110	98				
880-44496-12	SW-1 (1')	109	97				
880-44496-13	SW-2 (1')	108	97				
880-44496-14	SW-3 (1')	109	97				
880-44496-15	SW-4 (1')	110	97				
880-44496-16	SW-5 (1')	108	97				
880-44496-17	SW-6 (1')	108	97				
880-44496-18	SW-7 (1')	109	97				
880-44496-19	SW-8 (1')	107	97				
880-44496-20	SW-9 (1')	110	97				
880-44496-21	SW-10 (1')	108	101				
880-44496-22	SW-11 (1')	105	102				
880-44496-23	SW-12 (1')	105	102				
880-44496-24	SW-13 (1')	105	104				
880-44496-25	SW-14 (1')	106	102				
LCS 880-82573/1-A	Lab Control Sample	101	101				
LCS 880-82608/1-A	Lab Control Sample	104	98				
LCSD 880-82573/2-A	Lab Control Sample Dup	101	101				
LCSD 880-82608/2-A	Lab Control Sample Dup	103	100				
MB 880-82527/5-A	Method Blank	104	92				
MB 880-82573/5-A	Method Blank	102	98				
MB 880-82608/5-A	Method Blank	107	94				
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)				
880-44496-1	CS-1 (1')	79	67 S1-				
880-44496-1 MS	CS-1 (1')	95	77				
880-44496-1 MSD	CS-1 (1')	98	81				

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-44496-2	CS-2 (1')	73	66 S1-
880-44496-3	CS-3 (1')	79	71
880-44496-4	CS-4 (1')	79	69 S1-
880-44496-5	CS-5 (1')	79	67 S1-
880-44496-6	CS-6 (1')	75	64 S1-
880-44496-7	CS-7 (1')	78	65 S1-
880-44496-8	CS-8 (1')	82	71
880-44496-9	CS-9 (1')	77	68 S1-
880-44496-10	CS-10 (1')	79	69 S1-
880-44496-11	CS-11 (1')	79	77
880-44496-12	SW-1 (1')	69 S1-	62 S1-
880-44496-13	SW-2 (1')	68 S1-	61 S1-
880-44496-14	SW-3 (1')	82	61 S1-
880-44496-15	SW-4 (1')	80	62 S1-
880-44496-16	SW-5 (1')	69 S1-	62 S1-
880-44496-17	SW-6 (1')	67 S1-	58 S1-
880-44496-18	SW-7 (1')	62 S1-	58 S1-
880-44496-19	SW-8 (1')	82	64 S1-
880-44496-20	SW-9 (1')	71	63 S1-
880-44496-21	SW-10 (1')	103	101
880-44496-22	SW-11 (1')	99	95
880-44496-23	SW-12 (1')	107	100
880-44496-24	SW-13 (1')	112	111
880-44496-25	SW-14 (1')	107	103
880-44536-A-1-C MS	Matrix Spike	94	75
880-44536-A-1-D MSD	Matrix Spike Duplicate	92	73
890-6736-A-26-C MS	Matrix Spike	126	103
890-6736-A-26-D MSD	Matrix Spike Duplicate	128	103
890-6824-A-1-D MS	Matrix Spike	108	93
890-6824-A-1-E MSD	Matrix Spike Duplicate	113	96
LCS 880-82367/2-A	Lab Control Sample	116	95
LCS 880-82680/2-A	Lab Control Sample	132 S1+	109
LCS 880-82915/2-A	Lab Control Sample	142 S1+	124
LCS 880-82955/2-A	Lab Control Sample	103	85
LCSD 880-82367/3-A	Lab Control Sample Dup	116	90
LCSD 880-82680/3-A	Lab Control Sample Dup	139 S1+	121
LCSD 880-82915/3-A	Lab Control Sample Dup	115	94
LCSD 880-82955/3-A	Lab Control Sample Dup	122	100
MB 880-82367/1-A	Method Blank	125	114
MB 880-82680/1-A	Method Blank	134 S1+	124
MB 880-82915/1-A	Method Blank	164 S1+	149 S1+
MB 880-82955/1-A	Method Blank	156 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82527/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82564							Prep Batch: 82527		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/24 14:44	06/07/24 11:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/06/24 14:44	06/07/24 11:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/06/24 14:44	06/07/24 11:28	1

Lab Sample ID: MB 880-82573/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82563							Prep Batch: 82573		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/24 09:27	06/07/24 11:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/07/24 09:27	06/07/24 11:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/07/24 09:27	06/07/24 11:35	1

Lab Sample ID: LCS 880-82573/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82563							Prep Batch: 82573		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1092		mg/Kg		109	70 - 130		
Toluene	0.100	0.09971		mg/Kg		100	70 - 130		
Ethylbenzene	0.100	0.09838		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130		
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-82573/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 82563							Prep Batch: 82573		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-82573/2-A

Matrix: Solid

Analysis Batch: 82563

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82573

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.09715		mg/Kg		97	70 - 130		3	35
Ethylbenzene	0.100	0.09591		mg/Kg		96	70 - 130		3	35
m-Xylene & p-Xylene	0.200	0.2004		mg/Kg		100	70 - 130		2	35
o-Xylene	0.100	0.09856		mg/Kg		99	70 - 130		2	35

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

Lab Sample ID: 880-44465-A-2-B MS

Matrix: Solid

Analysis Batch: 82563

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82573

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00199	U	0.0996	0.1072		mg/Kg		108	70 - 130	
Toluene	<0.00199	U	0.0996	0.09655		mg/Kg		97	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.09338		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1940		mg/Kg		97	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.09496		mg/Kg		95	70 - 130	

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

Lab Sample ID: 880-44465-A-2-C MSD

Matrix: Solid

Analysis Batch: 82563

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00199	U	0.101	0.1056		mg/Kg		105	70 - 130		1	35
Toluene	<0.00199	U	0.101	0.09519		mg/Kg		94	70 - 130		1	35
Ethylbenzene	<0.00199	U	0.101	0.09221		mg/Kg		91	70 - 130		1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1918		mg/Kg		95	70 - 130		1	35
o-Xylene	<0.00199	U	0.101	0.09409		mg/Kg		93	70 - 130		1	35

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

Lab Sample ID: MB 880-82608/5-A

Matrix: Solid

Analysis Batch: 82564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82608

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 22:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/24 13:26	06/07/24 22:27	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-82608/5-A

Matrix: Solid

Analysis Batch: 82564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82608

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/24 13:26	06/07/24 22:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/24 13:26	06/07/24 22:27	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	107		70 - 130				06/07/24 13:26	06/07/24 22:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/07/24 13:26	06/07/24 22:27	1

Lab Sample ID: LCS 880-82608/1-A

Matrix: Solid

Analysis Batch: 82564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82608

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.09726		mg/Kg		97	70 - 130		
Toluene	0.100	0.08732		mg/Kg		87	70 - 130		
Ethylbenzene	0.100	0.08793		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	0.200	0.1809		mg/Kg		90	70 - 130		
o-Xylene	0.100	0.09279		mg/Kg		93	70 - 130		
Surrogate	LCS	LCS	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: LCSD 880-82608/2-A

Matrix: Solid

Analysis Batch: 82564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82608

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.1136		mg/Kg		114	70 - 130	16	35
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	16	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2126		mg/Kg		106	70 - 130	16	35
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	15	35
Surrogate	LCSD	LCSD	Limits				%Recovery	Qualifier	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-44496-1 MS

Matrix: Solid

Analysis Batch: 82564

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 82608

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00199	U	0.0996	0.09326		mg/Kg		94	70 - 130		
Toluene	<0.00199	U	0.0996	0.08188		mg/Kg		82	70 - 130		
Ethylbenzene	<0.00199	U	0.0996	0.07934		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1620		mg/Kg		81	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.08188		mg/Kg		82	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-44496-1 MS
Matrix: Solid
Analysis Batch: 82564

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 82608

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-44496-1 MSD
Matrix: Solid
Analysis Batch: 82564

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 82608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09421		mg/Kg		95	70 - 130	1	35
Toluene	<0.00199	U	0.0990	0.08245		mg/Kg		83	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.07997		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1631		mg/Kg		82	70 - 130	1	35
o-Xylene	<0.00199	U	0.0990	0.08174		mg/Kg		83	70 - 130	0	35
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-82367/1-A
Matrix: Solid
Analysis Batch: 82709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82367

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		06/05/24 09:33	06/08/24 13:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/05/24 09:33	06/08/24 13:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/05/24 09:33	06/08/24 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				06/05/24 09:33	06/08/24 13:22	1
o-Terphenyl	114		70 - 130				06/05/24 09:33	06/08/24 13:22	1

Lab Sample ID: LCS 880-82367/2-A
Matrix: Solid
Analysis Batch: 82709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1138		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1007		mg/Kg		101	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	95		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-82367/3-A

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82367

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1085		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	982.7		mg/Kg		98	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 890-6736-A-26-C MS

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	998	1114		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	998	975.2		mg/Kg		98	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	103		70 - 130								

Lab Sample ID: 890-6736-A-26-D MSD

Matrix: Solid

Analysis Batch: 82709

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82367

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	<49.7	U	998	1136		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	998	974.4		mg/Kg		98	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	128		70 - 130								
o-Terphenyl	103		70 - 130								

Lab Sample ID: MB 880-82680/1-A

Matrix: Solid

Analysis Batch: 82970

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82680

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		06/07/24 15:47	06/12/24 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/07/24 15:47	06/12/24 10:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/07/24 15:47	06/12/24 10:43	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-82680/1-A
Matrix: Solid
Analysis Batch: 82970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82680

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	134	S1+	70 - 130	06/07/24 15:47	06/12/24 10:43	1
o-Terphenyl	124		70 - 130	06/07/24 15:47	06/12/24 10:43	1

Lab Sample ID: LCS 880-82680/2-A
Matrix: Solid
Analysis Batch: 82970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1281		mg/Kg		128	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1087		mg/Kg		109	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-82680/3-A
Matrix: Solid
Analysis Batch: 82970

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 82680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	611.9	*- *1	mg/Kg		61	70 - 130		71	20
Diesel Range Organics (Over C10-C28)	1000	533.1	*- *1	mg/Kg		53	70 - 130		68	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-44496-1 MS
Matrix: Solid
Analysis Batch: 82970

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 82680

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 *- *1	999	858.0		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	999	742.8		mg/Kg		74	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	95		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-44496-1 MSD
Matrix: Solid
Analysis Batch: 82970

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 82680

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 *- *1	999	866.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	999	777.7		mg/Kg		78	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	81		70 - 130								

Lab Sample ID: MB 880-82915/1-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82915

	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		06/11/24 14:17	06/13/24 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/11/24 14:17	06/13/24 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/11/24 14:17	06/13/24 08:28	1
	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				06/11/24 14:17	06/13/24 08:28	1
o-Terphenyl	149	S1+	70 - 130				06/11/24 14:17	06/13/24 08:28	1

Lab Sample ID: LCS 880-82915/2-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	547.3	*-	mg/Kg		55	70 - 130
Diesel Range Organics (Over C10-C28)	1000	554.3	*-	mg/Kg		55	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-82915/3-A
Matrix: Solid
Analysis Batch: 83072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 82915

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	970.1	*1	mg/Kg		97	70 - 130	56	20
Diesel Range Organics (Over C10-C28)	1000	955.0	*1	mg/Kg		95	70 - 130	53	20

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-82915/3-A
Matrix: Solid
Analysis Batch: 83072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 82915

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-44536-A-1-C MS
Matrix: Solid
Analysis Batch: 83072

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 82915

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	1000	953.5		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	1000	887.0		mg/Kg		89	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	75		70 - 130							

Lab Sample ID: 880-44536-A-1-D MSD
Matrix: Solid
Analysis Batch: 83072

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 82915

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *- *1	1000	879.2		mg/Kg		88	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	1000	884.4		mg/Kg		88	70 - 130	0	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	92		70 - 130									
o-Terphenyl	73		70 - 130									

Lab Sample ID: MB 880-82955/1-A
Matrix: Solid
Analysis Batch: 83070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82955

	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		06/12/24 09:03	06/13/24 08:28	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/12/24 09:03	06/13/24 08:28	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/12/24 09:03	06/13/24 08:28	1		
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	156	S1+	70 - 130				06/12/24 09:03	06/13/24 08:28	1		
o-Terphenyl	144	S1+	70 - 130				06/12/24 09:03	06/13/24 08:28	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-82955/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 83070				Prep Batch: 82955						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	933.7		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	891.4		mg/Kg		89	70 - 130	
Surrogate		LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane		103		70 - 130						
o-Terphenyl		85		70 - 130						

Lab Sample ID: LCSD 880-82955/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 83070				Prep Batch: 82955						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	983.3		mg/Kg		98	70 - 130	5 20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	17 20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane		122		70 - 130						
o-Terphenyl		100		70 - 130						

Lab Sample ID: 890-6824-A-1-D MS				Client Sample ID: Matrix Spike						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 83070				Prep Batch: 82955						
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	997	968.9		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1017		mg/Kg		102	70 - 130	
Surrogate		MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane		108		70 - 130						
o-Terphenyl		93		70 - 130						

Lab Sample ID: 890-6824-A-1-E MSD				Client Sample ID: Matrix Spike Duplicate						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 83070				Prep Batch: 82955						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1111		mg/Kg		111	70 - 130	14 20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1074		mg/Kg		108	70 - 130	5 20
Surrogate		MSD %Recovery	MSD Qualifier	Limits						
1-Chlorooctane		113		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-6824-A-1-E MSD				Client Sample ID: Matrix Spike Duplicate			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 83070				Prep Batch: 82955			
	MSD	MSD					
Surrogate	%Recovery	Qualifier	Limits				
o-Terphenyl	96		70 - 130				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82614/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 82702									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/09/24 20:59	1

Lab Sample ID: LCS 880-82614/2-A						Client Sample ID: Lab Control Sample				
Matrix: Solid						Prep Type: Soluble				
Analysis Batch: 82702										
				Spike	LCS	LCS			%Rec	
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride				250	263.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-82614/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 82702											
			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	264.8		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-44477-A-1-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Soluble			
Analysis Batch: 82702										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	92.3		252	357.9		mg/Kg		106	90 - 110	

Lab Sample ID: 880-44477-A-1-C MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 82702											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride	92.3		252	359.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-44477-A-11-B MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Soluble			
Analysis Batch: 82702										
	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	197		1250	1518		mg/Kg		106	90 - 110	

QC Sample Results

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-44477-A-11-C MSD												Client Sample ID: Matrix Spike Duplicate			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82702															
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit				
Chloride	197		1250	1515		mg/Kg		106	90 - 110	0	20				
Lab Sample ID: MB 880-82731/1-A												Client Sample ID: Method Blank			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac						
Chloride	<5.00	U	5.00		mg/Kg			06/10/24 14:37	1						
Lab Sample ID: LCS 880-82731/2-A												Client Sample ID: Lab Control Sample			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits						
Chloride			250	249.6		mg/Kg		100	90 - 110						
Lab Sample ID: LCSD 880-82731/3-A												Client Sample ID: Lab Control Sample Dup			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit				
Chloride			250	244.7		mg/Kg		98	90 - 110	2	20				
Lab Sample ID: 880-44496-1 MS												Client Sample ID: CS-1 (1')			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits						
Chloride	7520		4970	12170		mg/Kg		93	90 - 110						
Lab Sample ID: 880-44496-1 MSD												Client Sample ID: CS-1 (1')			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit				
Chloride	7520		4970	12100		mg/Kg		92	90 - 110	1	20				
Lab Sample ID: 880-44496-11 MS												Client Sample ID: CS-11 (1')			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits						
Chloride	4660		2520	7152		mg/Kg		99	90 - 110						
Lab Sample ID: 880-44496-11 MSD												Client Sample ID: CS-11 (1')			
Matrix: Solid												Prep Type: Soluble			
Analysis Batch: 82772															
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit				
Chloride	4660		2520	7053		mg/Kg		95	90 - 110	1	20				

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 82527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82527/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 82563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Total/NA	Solid	8021B	82573
880-44496-22	SW-11 (1')	Total/NA	Solid	8021B	82573
880-44496-23	SW-12 (1')	Total/NA	Solid	8021B	82573
880-44496-24	SW-13 (1')	Total/NA	Solid	8021B	82573
880-44496-25	SW-14 (1')	Total/NA	Solid	8021B	82573
MB 880-82573/5-A	Method Blank	Total/NA	Solid	8021B	82573
LCS 880-82573/1-A	Lab Control Sample	Total/NA	Solid	8021B	82573
LCSD 880-82573/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82573
880-44465-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	82573
880-44465-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	82573

Analysis Batch: 82564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	8021B	82608
880-44496-2	CS-2 (1')	Total/NA	Solid	8021B	82608
880-44496-3	CS-3 (1')	Total/NA	Solid	8021B	82608
880-44496-4	CS-4 (1')	Total/NA	Solid	8021B	82608
880-44496-5	CS-5 (1')	Total/NA	Solid	8021B	82608
880-44496-6	CS-6 (1')	Total/NA	Solid	8021B	82608
880-44496-7	CS-7 (1')	Total/NA	Solid	8021B	82608
880-44496-8	CS-8 (1')	Total/NA	Solid	8021B	82608
880-44496-9	CS-9 (1')	Total/NA	Solid	8021B	82608
880-44496-10	CS-10 (1')	Total/NA	Solid	8021B	82608
880-44496-11	CS-11 (1')	Total/NA	Solid	8021B	82608
880-44496-12	SW-1 (1')	Total/NA	Solid	8021B	82608
880-44496-13	SW-2 (1')	Total/NA	Solid	8021B	82608
880-44496-14	SW-3 (1')	Total/NA	Solid	8021B	82608
880-44496-15	SW-4 (1')	Total/NA	Solid	8021B	82608
880-44496-16	SW-5 (1')	Total/NA	Solid	8021B	82608
880-44496-17	SW-6 (1')	Total/NA	Solid	8021B	82608
880-44496-18	SW-7 (1')	Total/NA	Solid	8021B	82608
880-44496-19	SW-8 (1')	Total/NA	Solid	8021B	82608
880-44496-20	SW-9 (1')	Total/NA	Solid	8021B	82608
MB 880-82527/5-A	Method Blank	Total/NA	Solid	8021B	82527
MB 880-82608/5-A	Method Blank	Total/NA	Solid	8021B	82608
LCS 880-82608/1-A	Lab Control Sample	Total/NA	Solid	8021B	82608
LCSD 880-82608/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82608
880-44496-1 MS	CS-1 (1')	Total/NA	Solid	8021B	82608
880-44496-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	82608

Prep Batch: 82573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Total/NA	Solid	5035	
880-44496-22	SW-11 (1')	Total/NA	Solid	5035	
880-44496-23	SW-12 (1')	Total/NA	Solid	5035	
880-44496-24	SW-13 (1')	Total/NA	Solid	5035	
880-44496-25	SW-14 (1')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 82573 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82573/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82573/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82573/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44465-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
880-44465-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 82608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	5035	
880-44496-2	CS-2 (1')	Total/NA	Solid	5035	
880-44496-3	CS-3 (1')	Total/NA	Solid	5035	
880-44496-4	CS-4 (1')	Total/NA	Solid	5035	
880-44496-5	CS-5 (1')	Total/NA	Solid	5035	
880-44496-6	CS-6 (1')	Total/NA	Solid	5035	
880-44496-7	CS-7 (1')	Total/NA	Solid	5035	
880-44496-8	CS-8 (1')	Total/NA	Solid	5035	
880-44496-9	CS-9 (1')	Total/NA	Solid	5035	
880-44496-10	CS-10 (1')	Total/NA	Solid	5035	
880-44496-11	CS-11 (1')	Total/NA	Solid	5035	
880-44496-12	SW-1 (1')	Total/NA	Solid	5035	
880-44496-13	SW-2 (1')	Total/NA	Solid	5035	
880-44496-14	SW-3 (1')	Total/NA	Solid	5035	
880-44496-15	SW-4 (1')	Total/NA	Solid	5035	
880-44496-16	SW-5 (1')	Total/NA	Solid	5035	
880-44496-17	SW-6 (1')	Total/NA	Solid	5035	
880-44496-18	SW-7 (1')	Total/NA	Solid	5035	
880-44496-19	SW-8 (1')	Total/NA	Solid	5035	
880-44496-20	SW-9 (1')	Total/NA	Solid	5035	
MB 880-82608/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82608/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82608/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44496-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-44496-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Analysis Batch: 82752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-44496-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-44496-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-44496-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-44496-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-44496-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-44496-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-44496-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-44496-9	CS-9 (1')	Total/NA	Solid	Total BTEX	
880-44496-10	CS-10 (1')	Total/NA	Solid	Total BTEX	
880-44496-11	CS-11 (1')	Total/NA	Solid	Total BTEX	
880-44496-12	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-44496-13	SW-2 (1')	Total/NA	Solid	Total BTEX	
880-44496-14	SW-3 (1')	Total/NA	Solid	Total BTEX	
880-44496-15	SW-4 (1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 82752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-16	SW-5 (1')	Total/NA	Solid	Total BTEX	
880-44496-17	SW-6 (1')	Total/NA	Solid	Total BTEX	
880-44496-18	SW-7 (1')	Total/NA	Solid	Total BTEX	
880-44496-19	SW-8 (1')	Total/NA	Solid	Total BTEX	
880-44496-20	SW-9 (1')	Total/NA	Solid	Total BTEX	
880-44496-21	SW-10 (1')	Total/NA	Solid	Total BTEX	
880-44496-22	SW-11 (1')	Total/NA	Solid	Total BTEX	
880-44496-23	SW-12 (1')	Total/NA	Solid	Total BTEX	
880-44496-24	SW-13 (1')	Total/NA	Solid	Total BTEX	
880-44496-25	SW-14 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 82367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Total/NA	Solid	8015NM Prep	
880-44496-22	SW-11 (1')	Total/NA	Solid	8015NM Prep	
880-44496-23	SW-12 (1')	Total/NA	Solid	8015NM Prep	
880-44496-24	SW-13 (1')	Total/NA	Solid	8015NM Prep	
880-44496-25	SW-14 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6736-A-26-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6736-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 82680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-44496-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-44496-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-44496-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-44496-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-44496-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-44496-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-44496-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-44496-9	CS-9 (1')	Total/NA	Solid	8015NM Prep	
880-44496-10	CS-10 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82680/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82680/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82680/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44496-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-44496-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 82709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Total/NA	Solid	8015B NM	82367
880-44496-22	SW-11 (1')	Total/NA	Solid	8015B NM	82367
880-44496-23	SW-12 (1')	Total/NA	Solid	8015B NM	82367
880-44496-24	SW-13 (1')	Total/NA	Solid	8015B NM	82367
880-44496-25	SW-14 (1')	Total/NA	Solid	8015B NM	82367

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 82709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82367/1-A	Method Blank	Total/NA	Solid	8015B NM	82367
LCS 880-82367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82367
LCSD 880-82367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82367
890-6736-A-26-C MS	Matrix Spike	Total/NA	Solid	8015B NM	82367
890-6736-A-26-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82367

Analysis Batch: 82803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-44496-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-44496-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-44496-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-44496-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-44496-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-44496-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-44496-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-44496-9	CS-9 (1')	Total/NA	Solid	8015 NM	
880-44496-10	CS-10 (1')	Total/NA	Solid	8015 NM	
880-44496-11	CS-11 (1')	Total/NA	Solid	8015 NM	
880-44496-12	SW-1 (1')	Total/NA	Solid	8015 NM	
880-44496-13	SW-2 (1')	Total/NA	Solid	8015 NM	
880-44496-14	SW-3 (1')	Total/NA	Solid	8015 NM	
880-44496-15	SW-4 (1')	Total/NA	Solid	8015 NM	
880-44496-16	SW-5 (1')	Total/NA	Solid	8015 NM	
880-44496-17	SW-6 (1')	Total/NA	Solid	8015 NM	
880-44496-18	SW-7 (1')	Total/NA	Solid	8015 NM	
880-44496-19	SW-8 (1')	Total/NA	Solid	8015 NM	
880-44496-20	SW-9 (1')	Total/NA	Solid	8015 NM	
880-44496-21	SW-10 (1')	Total/NA	Solid	8015 NM	
880-44496-22	SW-11 (1')	Total/NA	Solid	8015 NM	
880-44496-23	SW-12 (1')	Total/NA	Solid	8015 NM	
880-44496-24	SW-13 (1')	Total/NA	Solid	8015 NM	
880-44496-25	SW-14 (1')	Total/NA	Solid	8015 NM	

Prep Batch: 82915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-12	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-44496-13	SW-2 (1')	Total/NA	Solid	8015NM Prep	
880-44496-14	SW-3 (1')	Total/NA	Solid	8015NM Prep	
880-44496-15	SW-4 (1')	Total/NA	Solid	8015NM Prep	
880-44496-16	SW-5 (1')	Total/NA	Solid	8015NM Prep	
880-44496-17	SW-6 (1')	Total/NA	Solid	8015NM Prep	
880-44496-18	SW-7 (1')	Total/NA	Solid	8015NM Prep	
880-44496-19	SW-8 (1')	Total/NA	Solid	8015NM Prep	
880-44496-20	SW-9 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82915/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82915/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44536-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-44536-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 82955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-11	CS-11 (1')	Total/NA	Solid	8015NM Prep	
MB 880-82955/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82955/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6824-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6824-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 82970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Total/NA	Solid	8015B NM	82680
880-44496-2	CS-2 (1')	Total/NA	Solid	8015B NM	82680
880-44496-3	CS-3 (1')	Total/NA	Solid	8015B NM	82680
880-44496-4	CS-4 (1')	Total/NA	Solid	8015B NM	82680
880-44496-5	CS-5 (1')	Total/NA	Solid	8015B NM	82680
880-44496-6	CS-6 (1')	Total/NA	Solid	8015B NM	82680
880-44496-7	CS-7 (1')	Total/NA	Solid	8015B NM	82680
880-44496-8	CS-8 (1')	Total/NA	Solid	8015B NM	82680
880-44496-9	CS-9 (1')	Total/NA	Solid	8015B NM	82680
880-44496-10	CS-10 (1')	Total/NA	Solid	8015B NM	82680
MB 880-82680/1-A	Method Blank	Total/NA	Solid	8015B NM	82680
LCS 880-82680/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82680
LCSD 880-82680/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82680
880-44496-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	82680
880-44496-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	82680

Analysis Batch: 83070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-11	CS-11 (1')	Total/NA	Solid	8015B NM	82955
MB 880-82955/1-A	Method Blank	Total/NA	Solid	8015B NM	82955
LCS 880-82955/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82955
LCSD 880-82955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82955
890-6824-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	82955
890-6824-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82955

Analysis Batch: 83072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-12	SW-1 (1')	Total/NA	Solid	8015B NM	82915
880-44496-13	SW-2 (1')	Total/NA	Solid	8015B NM	82915
880-44496-14	SW-3 (1')	Total/NA	Solid	8015B NM	82915
880-44496-15	SW-4 (1')	Total/NA	Solid	8015B NM	82915
880-44496-16	SW-5 (1')	Total/NA	Solid	8015B NM	82915
880-44496-17	SW-6 (1')	Total/NA	Solid	8015B NM	82915
880-44496-18	SW-7 (1')	Total/NA	Solid	8015B NM	82915
880-44496-19	SW-8 (1')	Total/NA	Solid	8015B NM	82915
880-44496-20	SW-9 (1')	Total/NA	Solid	8015B NM	82915
MB 880-82915/1-A	Method Blank	Total/NA	Solid	8015B NM	82915
LCS 880-82915/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82915
LCSD 880-82915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82915
880-44536-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	82915
880-44536-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82915

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 82614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Soluble	Solid	DI Leach	
880-44496-22	SW-11 (1')	Soluble	Solid	DI Leach	
880-44496-23	SW-12 (1')	Soluble	Solid	DI Leach	
880-44496-24	SW-13 (1')	Soluble	Solid	DI Leach	
880-44496-25	SW-14 (1')	Soluble	Solid	DI Leach	
MB 880-82614/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82614/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82614/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44477-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44477-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-44477-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44477-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 82702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-21	SW-10 (1')	Soluble	Solid	300.0	82614
880-44496-22	SW-11 (1')	Soluble	Solid	300.0	82614
880-44496-23	SW-12 (1')	Soluble	Solid	300.0	82614
880-44496-24	SW-13 (1')	Soluble	Solid	300.0	82614
880-44496-25	SW-14 (1')	Soluble	Solid	300.0	82614
MB 880-82614/1-A	Method Blank	Soluble	Solid	300.0	82614
LCS 880-82614/2-A	Lab Control Sample	Soluble	Solid	300.0	82614
LCSD 880-82614/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82614
880-44477-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	82614
880-44477-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	82614
880-44477-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	82614
880-44477-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	82614

Leach Batch: 82731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-44496-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-44496-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-44496-4	CS-4 (1')	Soluble	Solid	DI Leach	
880-44496-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-44496-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-44496-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-44496-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-44496-9	CS-9 (1')	Soluble	Solid	DI Leach	
880-44496-10	CS-10 (1')	Soluble	Solid	DI Leach	
880-44496-11	CS-11 (1')	Soluble	Solid	DI Leach	
880-44496-12	SW-1 (1')	Soluble	Solid	DI Leach	
880-44496-13	SW-2 (1')	Soluble	Solid	DI Leach	
880-44496-14	SW-3 (1')	Soluble	Solid	DI Leach	
880-44496-15	SW-4 (1')	Soluble	Solid	DI Leach	
880-44496-16	SW-5 (1')	Soluble	Solid	DI Leach	
880-44496-17	SW-6 (1')	Soluble	Solid	DI Leach	
880-44496-18	SW-7 (1')	Soluble	Solid	DI Leach	
880-44496-19	SW-8 (1')	Soluble	Solid	DI Leach	
880-44496-20	SW-9 (1')	Soluble	Solid	DI Leach	
MB 880-82731/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 82731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-82731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82731/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44496-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-44496-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-44496-11 MS	CS-11 (1')	Soluble	Solid	DI Leach	
880-44496-11 MSD	CS-11 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 82772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44496-1	CS-1 (1')	Soluble	Solid	300.0	82731
880-44496-2	CS-2 (1')	Soluble	Solid	300.0	82731
880-44496-3	CS-3 (1')	Soluble	Solid	300.0	82731
880-44496-4	CS-4 (1')	Soluble	Solid	300.0	82731
880-44496-5	CS-5 (1')	Soluble	Solid	300.0	82731
880-44496-6	CS-6 (1')	Soluble	Solid	300.0	82731
880-44496-7	CS-7 (1')	Soluble	Solid	300.0	82731
880-44496-8	CS-8 (1')	Soluble	Solid	300.0	82731
880-44496-9	CS-9 (1')	Soluble	Solid	300.0	82731
880-44496-10	CS-10 (1')	Soluble	Solid	300.0	82731
880-44496-11	CS-11 (1')	Soluble	Solid	300.0	82731
880-44496-12	SW-1 (1')	Soluble	Solid	300.0	82731
880-44496-13	SW-2 (1')	Soluble	Solid	300.0	82731
880-44496-14	SW-3 (1')	Soluble	Solid	300.0	82731
880-44496-15	SW-4 (1')	Soluble	Solid	300.0	82731
880-44496-16	SW-5 (1')	Soluble	Solid	300.0	82731
880-44496-17	SW-6 (1')	Soluble	Solid	300.0	82731
880-44496-18	SW-7 (1')	Soluble	Solid	300.0	82731
880-44496-19	SW-8 (1')	Soluble	Solid	300.0	82731
880-44496-20	SW-9 (1')	Soluble	Solid	300.0	82731
MB 880-82731/1-A	Method Blank	Soluble	Solid	300.0	82731
LCS 880-82731/2-A	Lab Control Sample	Soluble	Solid	300.0	82731
LCSD 880-82731/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82731
880-44496-1 MS	CS-1 (1')	Soluble	Solid	300.0	82731
880-44496-1 MSD	CS-1 (1')	Soluble	Solid	300.0	82731
880-44496-11 MS	CS-11 (1')	Soluble	Solid	300.0	82731
880-44496-11 MSD	CS-11 (1')	Soluble	Solid	300.0	82731

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-1
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			5.03 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/07/24 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 12:51	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	82772	06/10/24 14:56	SMC	EET MID

Client Sample ID: CS-2 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-2
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			5.01 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/07/24 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 23:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 13:38	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 15:15	SMC	EET MID

Client Sample ID: CS-3 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-3
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			4.98 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/07/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 23:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 13:54	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 15:22	SMC	EET MID

Client Sample ID: CS-4 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-4
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	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/07/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 23:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-4
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			82803	06/12/24 14:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 14:11	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 15:28	SMC	EET MID

Client Sample ID: CS-5 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-5
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			4.999 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 14:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 14:27	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	82772	06/10/24 15:34	SMC	EET MID

Client Sample ID: CS-6 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-6
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			5.02 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 14:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 14:43	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	82772	06/10/24 15:53	SMC	EET MID

Client Sample ID: CS-7 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-7
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			5.03 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 14:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 14:58	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-7
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	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 15:59	SMC	EET MID

Client Sample ID: CS-8 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-8
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			5.01 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 15:14	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 16:06	SMC	EET MID

Client Sample ID: CS-9 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 15:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 15:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 16:12	SMC	EET MID

Client Sample ID: CS-10 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 01:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/12/24 15:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82680	06/07/24 15:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82970	06/12/24 15:46	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	82772	06/10/24 16:18	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 03:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 03:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82955	06/12/24 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83070	06/13/24 12:20	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 16:24	SMC	EET MID

Client Sample ID: SW-1 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 03:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 03:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 14:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 14:51	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 16:43	SMC	EET MID

Client Sample ID: SW-2 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 15:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 15:07	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 16:50	SMC	EET MID

Client Sample ID: SW-3 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 04:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-14
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			82803	06/13/24 15:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 15:24	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 17:09	SMC	EET MID

Client Sample ID: SW-4 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-15
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			4.96 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 04:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 15:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 15:42	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 17:15	SMC	EET MID

Client Sample ID: SW-5 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-16
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	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 05:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 15:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 15:59	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	82772	06/10/24 17:21	SMC	EET MID

Client Sample ID: SW-6 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-17
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	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 05:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 16:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 16:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-17
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			4.98 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 17:28	SMC	EET MID

Client Sample ID: SW-7 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-18
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	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 05:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 16:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 16:33	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82772	06/10/24 17:34	SMC	EET MID

Client Sample ID: SW-8 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-19
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			4.98 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 06:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 16:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 16:50	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82772	06/10/24 17:40	SMC	EET MID

Client Sample ID: SW-9 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	82608	06/07/24 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82564	06/08/24 06:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/08/24 06:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/13/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 17:08	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82731	06/10/24 09:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82772	06/10/24 17:47	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-21
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			5.03 g	5 mL	82573	06/07/24 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82563	06/07/24 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/08/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82367	06/05/24 09:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/08/24 21:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	82614	06/07/24 14:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82702	06/09/24 23:05	CH	EET MID

Client Sample ID: SW-11 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-22
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			5.04 g	5 mL	82573	06/07/24 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82563	06/07/24 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/08/24 21:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82367	06/05/24 09:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/08/24 21:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82614	06/07/24 14:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82702	06/09/24 23:10	CH	EET MID

Client Sample ID: SW-12 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-23
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	82573	06/07/24 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82563	06/07/24 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/08/24 21:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82367	06/05/24 09:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/08/24 21:52	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	82614	06/07/24 14:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82702	06/09/24 23:15	CH	EET MID

Client Sample ID: SW-13 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-24
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	82573	06/07/24 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82563	06/07/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 19:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-24
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			82803	06/08/24 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	82367	06/05/24 09:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/08/24 22:07	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	82614	06/07/24 14:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82702	06/09/24 23:20	CH	EET MID

Client Sample ID: SW-14 (1')
Date Collected: 06/05/24 00:00
Date Received: 06/07/24 12:00

Lab Sample ID: 880-44496-25
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			4.98 g	5 mL	82573	06/07/24 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82563	06/07/24 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82752	06/07/24 19:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			82803	06/08/24 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	82367	06/05/24 09:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	82709	06/08/24 22:21	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82614	06/07/24 14:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82702	06/09/24 23:25	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: Fiddle Fee 23X 1H

Job ID: 880-44496-1
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	T104704400-23-26	06-30-24
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: Fiddle Fee 23X 1H

Job ID: 880-44496-1
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: Fiddle Fee 23X 1H

Job ID: 880-44496-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44496-1	CS-1 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-2	CS-2 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-3	CS-3 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-4	CS-4 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-5	CS-5 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-6	CS-6 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-7	CS-7 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-8	CS-8 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-9	CS-9 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-10	CS-10 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-11	CS-11 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-12	SW-1 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-13	SW-2 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-14	SW-3 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-15	SW-4 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-16	SW-5 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-17	SW-6 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-18	SW-7 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-19	SW-8 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-20	SW-9 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-21	SW-10 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-22	SW-11 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-23	SW-12 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-24	SW-13 (1')	Solid	06/05/24 00:00	06/07/24 12:00
880-44496-25	SW-14 (1')	Solid	06/05/24 00:00	06/07/24 12:00

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44496-1
SDG Number: Eddy County, New Mexico

Login Number: 44496
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	

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

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

QUESTIONS

Action 355677

QUESTIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	355677
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403152749
Incident Name	NAPP2403152749 FIDDLE FEE 23 X #001H @ 30-015-44094
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-44094] FIDDLE FEE 23 X #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FIDDLE FEE 23 X #001H
Date Release Discovered	01/30/2024
Surface Owner	Private

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 Fitting Produced Water Released: 81 BBL Recovered: 80 BBL Lost: 1 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)	Spill was caused by a fitting failure on a transfer pump that caused produced water to spray inside and outside of containment.

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:	372098
	Action Number:	355677
	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: Isaac Castro Email: icastro@marathonoil.com Date: 06/20/2024
--	--

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 3

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 355677
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	7030
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	384
GRO+DRO	(EPA SW-846 Method 8015M)	384
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/05/2024
On what date will (or did) the final sampling or liner inspection occur	06/05/2024
On what date will (or was) the remediation complete(d)	06/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 4

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:	372098
	Action Number:	355677
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	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)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/20/2024
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

QUESTIONS, Page 5

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	355677
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

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS, Page 6

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID:
	372098
	Action Number:
	355677
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	348662
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	1200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1200
What was the total volume (cubic yards) remediated	0
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Based on the assessment results and the analytical data, no further actions are required at the site. 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.

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

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

I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/20/2024
--	--

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

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

QUESTIONS, Page 7

Action 355677

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 355677
	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

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

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

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

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

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

CONDITIONS

Action 355677

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 355677
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/25/2024