

SITE INFORMATION

Closure Report
Black River 374 State Tank Battery
Eddy County, New Mexico
Incident #: NAPP2315050079
Unit N Sec 15 T24S R27E
32.211541°, -104.174294°

Produced Water

Point of Release: Pinhole on Water Header

Release Date: 05/30/23

Volume Released: 11.89 Barrels of Produced Water Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Marathon Oil Corporation

990 Town and Country Blvd, Houston, Texas 77024

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATIONS FIGURE 4 EXCAVATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C INITIAL C-141 AND FINAL/NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



June 26, 2023

New Mexico Oil Conservation Division 1220 South St, Francis Drive Santa Fe, NM 87505

Re: Closure Report

Black River 374 State Tank Battery Marathon Oil Corporation Incident ID NAPP2315050079

Site Location: Unit N, S15, T24S, R27E (Lat 32.211541°, Long -104.174294°)

Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Corporation (Marathon), Carmona Resources, LLC has prepared this letter to document Black River 374 State Tank Battery site activities. The site is located at 32.211541°, -104.17427° within Unit N, S15, T24S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 30, 2023, due to a pinhole leak on the bottom of the valve body on the header. It resulted in approximately eleven-point-eight-nine (11.89) barrels of produced water and zero (0) barrels of crude oil recovered. See Figure 3. The initial C-141 form is attached in Appendix B.

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 source within a 0.50-mile radius of the location. The closest well is located approximately 0.66 miles Southwest of the site in S22, T24S, R27E and was drilled in 1971. The well has a reported depth to groundwater of 70' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

3.0 Site Characterization and Groundwater

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

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

4.0 Site Assessment Activities

Initial Assessment

On May 30, 2023, Carmona Resources, LLC performed a site assessment during emergency response activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3), four (4) horizontal sample points (H-1 through H-4), and two (2) background sample points were installed to total depths ranging from surface to 1.5' bgs inside and around the release area. 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.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities and return to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 2, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of five (5) floor confirmation samples were collected (CS-1 through CS-5), and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 80 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

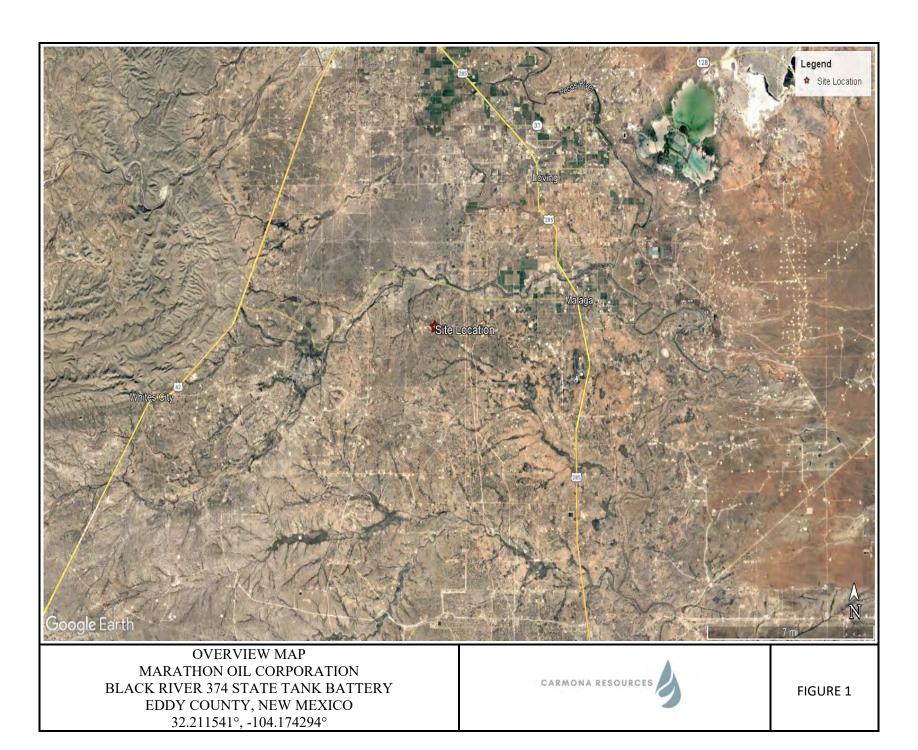
Mike Carmona

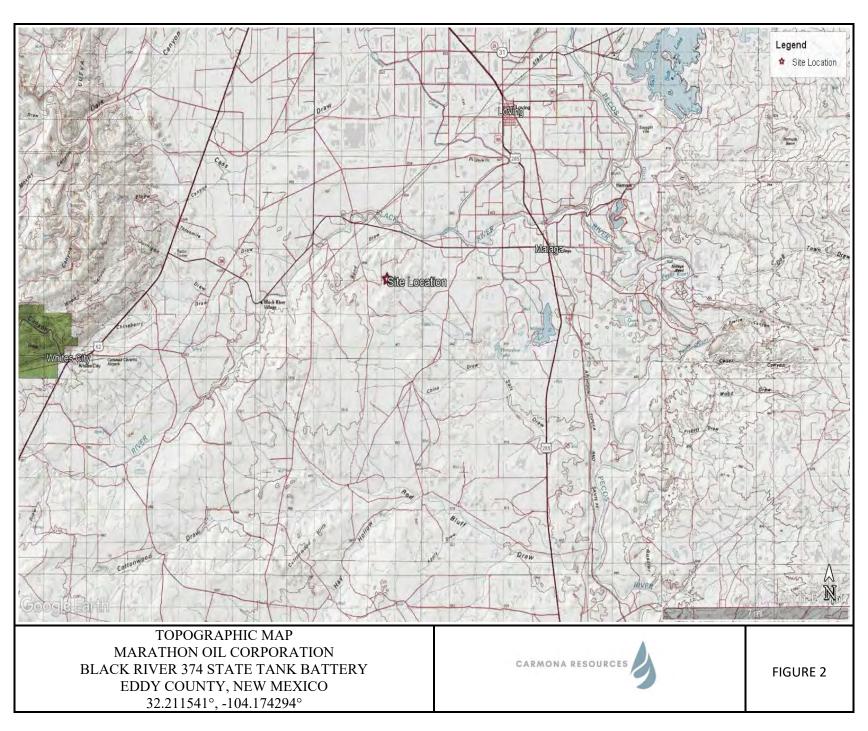
Environmental Manager

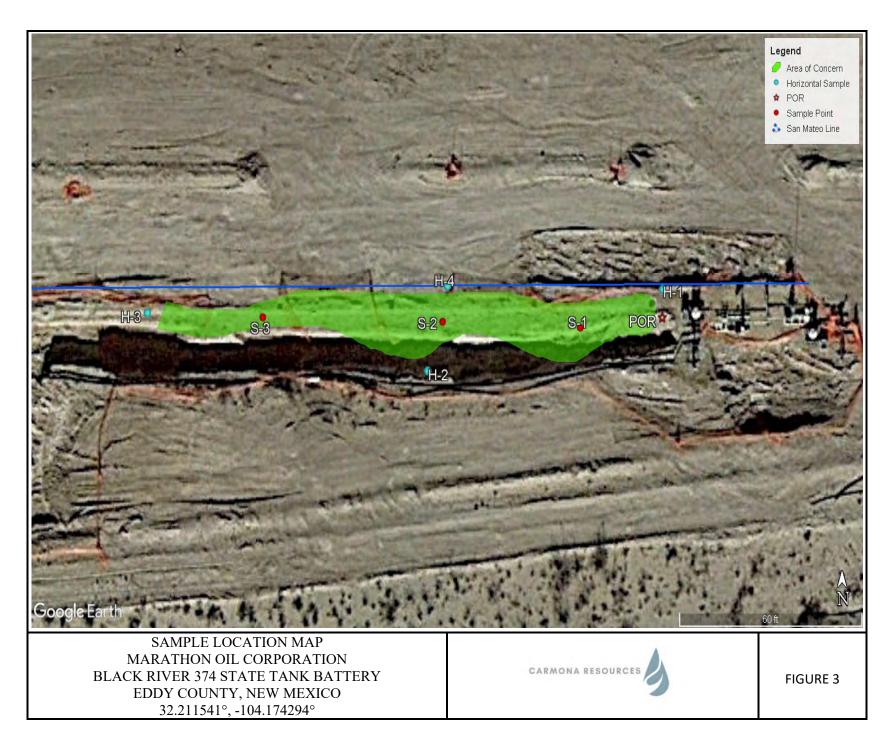
Clinton Merritt Sr. Project Manager

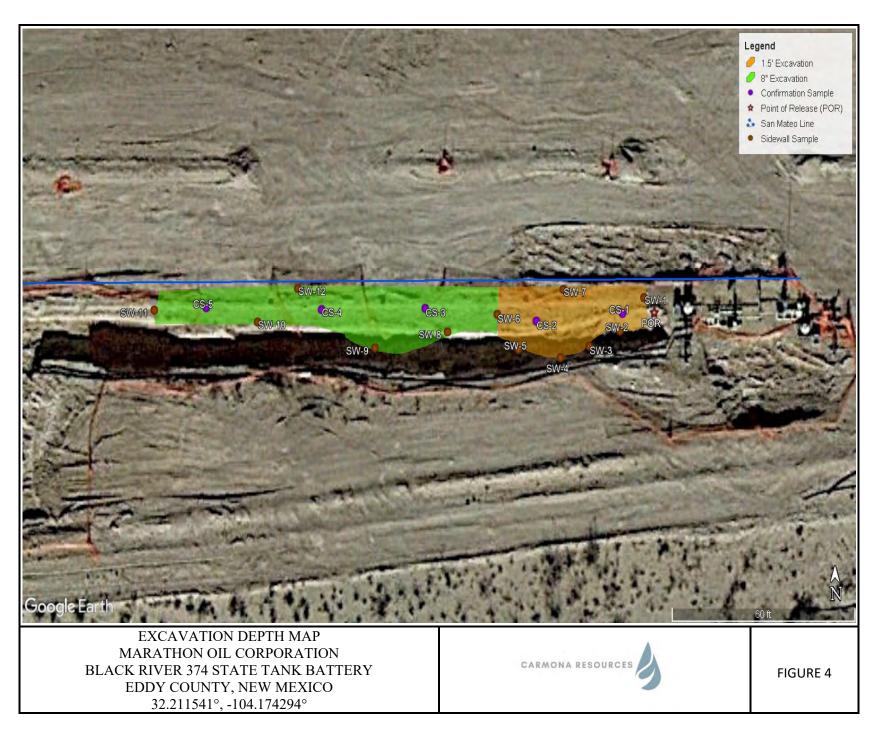
FIGURES

CARMONA RESOURCES









APPENDIX A



Page 11 of 87

Table 1
Marathon Oil Corporation
Black River 374 State Tank Battery
Eddy County, New Mexico

Commis ID	Data	Donath (54)		ТРН	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	5/30/2023	0-6"	<49.9	76.7	<49.9	76.7	<0.00200	0.00316	<0.00200	0.0240	0.0271	13,500
S-1	"	6"-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.00429	0.00429	75.6
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	52.2
	5/30/2023	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00225	0.00340	0.0220	0.0277	19,400
S-2	II	6"-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.4
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.4
	5/30/2023	0-6"	<50.0	53.5	<50.0	53.5	<0.00200	0.00264	<0.00200	0.0275	0.0301	12,100
S-3	"	6"-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.5
	11	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.2
H-1	5/30/2023	0-0.05	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.3
H-2	5/30/2023	0-0.05	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.9
H-3	5/30/2023	0-0.05	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	61.8
H-4	5/30/2023	0-0.05	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.2
BG-1	5/30/2023	0-0.05	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	0.00920	0.00920	43.7
BG-2	5/30/2023	0-0.05	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.5
Regulato	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons ft-feet

(S) Soil Sample

(H) Horizontal Sample

(BG) Background Sample

Removed

Page 12 of 87

Table 2
Marathon Oil Corporation
Black River 374 State Tank Battery
Eddy County, New Mexico

Sample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CS-1	6/2/2023	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	228
CS-2	6/2/2023	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	184
CS-3	6/2/2023	8"	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	87.8
CS-4	6/2/2023	8"	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	117
CS-5	6/2/2023	8"	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	40.0
SW-1	6/2/2023	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	139
SW-2	6/2/2023	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.5
SW-3	6/2/2023	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	161
SW-4	6/2/2023	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	0.00864	0.00864	56.6
SW-5	6/2/2023	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	134
SW-6	6/2/2023	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	81.6
SW-7	6/2/2023	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	115
SW-8	6/2/2023	8"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	40.7
SW-9	6/2/2023	8"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	37.1
SW-10	6/2/2023	8"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	50.5
SW-11	6/2/2023	8"	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	57.2
SW-12	6/2/2023	8"	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	75.6
Regulator	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

(SW) Sidewall sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View East, area of sample point S-1.



Photograph No. 2

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View West, area of sample point S-2.



Photograph No. 3

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View East, area of sample point S-1 and S-2.



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 4

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View West, area of confirmation samples (2 - 5).



Photograph No. 5

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View Southeast, area of confirmation samples (1-5).



Photograph No. 6

Facility: Black River 374 State Tank Battery

County: Eddy County, New Mexico

Description:

View Northeast, area of confirmation samples (1-3).



APPENDIX C

CARMONA RESOURCES

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2315050079
District RP	
Facility ID	fAPP2125238645
Application ID	

Release Notification

Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

Location of Release Source - NOT ORIGINATING FACILITY

(NAD 83 in decimal de	egrees to 5 decimal places)
Site Name BLACK RIVER 374 STATE TB	Site Type Oil & Gas Facility
Date Release Discovered: 5/30/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	15	24S	27E	Eddy

Longitude -104.174635W

Surface Owner: X State	Federal Tribal	Private (Name:	_)

Nature and Volume of Release

Material	(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 11.89	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	⊠ Yes □ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Latitude 32.211631N

Operator reported an active release coming from Marathon's side of the custody transfer on the ROWs to the North of the facility. Once on site, the Env. Operator confirmed that there was a 1/4" pinhole hole in the bottom of the valve body on the header. The line and pump were successfully isolated, but not before approx.. ~12 bbl. of produced water was released onto San Mateo's ROW. There was no standing fluid and a one call has been placed to remove the most saturated material prior to characterization.

Page 18 of 87

Incident ID	nAPP2315050079
District RP	
Facility ID	fAPP2125238645
Application ID	

Was this a major release? If YES, for what reason(s) does the responsible party consider this a major release? Volume.
19.15.29.7(A) NMAC?
⊠ Yes □ No
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, SLO ECO notification and NOR complete.
Initial Response
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the release has been stopped.
The impacted area has been secured to protect human health and the environment.
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.
Printed Name: Melodie Sanjari Title: Environmental Professional
Signature: Melodie Sanjari Date: 5/30/2023
email: msanjari@marathonoil.com Telephone: 575-988-8753
OCD Only
Received by: Date:

MRO Spill Calculation Tool

Standing	Liquia	inputs:

		Width (ft.) (Tank	Avg. Liquid		Total Volume	Water Volume	Oil Volume
_	Length (ft.)	Displacement)	Depth (in.)	% Oil	(bbls)	(bbls)	(bbls)
Rectangle Area #1	90	5	0.5		3.34	3.34	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
Vessel Displacement					0.00	0.00	0.00
Vessel Displacement					0.00	0.00	0.00
•		_		Liquid Volume:	3.34	3.34	0.00
vessei Displacement				Liquid Volume:			

Saturated Soil Inputs:		Soil Type:	Gravel or Sand				
			Avg. Saturated		Total Volume	Water Volume	Oil Volume
_	Length (ft.)	Width (ft.)	Depth (in.)	% Oil	(bbls)	(bbls)	(bbls)
Rectangle Area #1	180	5	8		8.55	8.55	0.00
Rectangle Area #2					0.00	0.00	0.00
Rectangle Area #3					0.00	0.00	0.00
Rectangle Area #4					0.00	0.00	0.00
Rectangle Area #5					0.00	0.00	0.00
Rectangle Area #6					0.00	0.00	0.00
Rectangle Area #7					0.00	0.00	0.00
Rectangle Area #8					0.00	0.00	0.00
_	<u> </u>			Saturated Volume	8.55	8.55	0.00

	Total Volume	Water Volume	Oil Volume
	(bbls)	(bbls)	(bbls)
Total Spill Volume (bbls):	11.89	11.89	0.00
Total Spill Volume (gals):	499.32	499.32	0.00

Comments:

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

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

Received by OCD: 7/5/2023 7:45:00 AM State of New Mexico
Page 3 Oil Conservation Division

	Page 20 of 87
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	ls.

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 7/5/2023 7:45:00 AM State of New Mexico
Page 4 Oil Conservation Division

	Page 21 of 87
Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by: Shelly Wells	Date:

Received by OCD: 7/5/2023 7:45:00 AM Form C-141 State of New Mexico
Page 6 Oil Conservation Division

	Page 22 of 87
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name:	
Printed Name:	
Signature:	Date:
Signature:	Date:
Signature: email:	Date:
Signature: email: OCD Only Received by: _Shelly Wells Closure approval by the OCD does not relieve the responsible party	Date: Telephone: Date: Date: of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible
Signature: email: OCD Only Received by: Shelly Wells Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface	Date: Telephone: Date: Date: of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible

APPENDIX D

CARMONA RESOURCES







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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

water right file.)	close	d)	(0	qua	rte	rs a	ire si	malles	st to large	est) (NAD83 UTM in m	eters)	(1	In feet)	
		POD													
POD Number	Code	Sub-	County	-	Q 16	-	Sec	Tws	Rna	>	(Y	Distance		•	Water Column
C 01452	Oout	C	ED	04		7			27E	57743		1074	95	70	25
C 00347		CUB	ED		1	1	13	24S	27E	58001	0 3565479* 🌕	2573	60	30	30
C 03147		С	ED	3	3	3	12	24S	27E	57988	5 3565715 🌑	2596	140		
C 04147 POD1		CUB	ED	4	1	3	24	24S	27E	58010	1 3562969 🌑	2621	35		
C 01943		С	ED			1	13	24S	27E	58022	1 3565275* 🌕	2668	30	25	5
C 00342	С	CUB	ED		4	1	13	24S	27E	58043	2 3565080* 🌕	2794	2565		
C 03260 POD1		С	ED	3	3	3	12	24S	27E	57999	5 3565935 🌍	2816	80	56	24
C 03260 POD2	0	С	ED	1	3	3	12	24S	27E	58010	0 3565984 🌑	2929	80	56	24
C 00850		С	ED		2	3	09	24S	27E	57559	5 3566223* 🌕	2984	108	35	73
C 03145		С	ED	3	1	4	13	24S	27E	58074	9 3564579* 🌕	2992	103	40	63
C 00821		С	ED		3	2	09	24S	27E	57599	6 3566635* 🌑	3025	97	50	47
C 01721		С	ED			1	25	24S	27E	58027	1 3562033* 🌕	3295	170		
<u>C 00364</u>	С	CUB	ED		1	2	09	24S	27E	57599	7 3567043* 🌕	3363	2270		
<u>C 02976</u>		С	ED	4	2	3	12	24S	27E	58051	9 3566195* 🌕	3391	57	27	30
C 03037		С	ED	4	3	4	12	24S	27E	58093	0 3565795* 🌕	3532	116	25	91
C 01366		CUB	ED			4	80	24S	27E	57459	0 3566003* 🌕	3669	60	35	25
C 00631		С	ED	3	3	4	80	24S	27E	57428	8 3565701* 🌍	3805	50	24	26
C 03740 POD1		С	ED	4	4	4	12	24S	27E	58128	3 3565795 🌑	3850	340		
C 00516		CUB	ED	1	3	4	80	24S	27E	57428	8 3565901* 🌕	3889	105	36	69
C 00516 CLW201016	0	CUB	ED	1	3	4	80	24S	27E	57428	8 3565901* 🌕	3889	62		
C 00516 CLW308590	0	CUB	ED	1	3	4	80	24S	27E	57428	8 3565901* 🌕	3889	105	36	69
C 00516 S		CUB	ED	1	3	4	80	24S	27E	57428	8 3565901 🌑	3889	50	17	33

*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.

Received by OCD: 7/5/2023 7:45:00 AM

Page 27 of 87

Average Depth to Water:

37 feet 17 feet

Minimum Depth: 17

Maximum Depth: 70 feet

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 577781.71 **Northing (Y):** 3564192.43 **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

C 01452

577435 3563175*

Driller License:

30

Driller Company:

BARRON, EMMETT

Driller Name:

BARRON, EMMETT

07/21/1971

Drill Finish Date:

07/23/1971

Plug Date:

Drill Start Date: Log File Date:

08/02/1971

PCW Rcv Date:

Shallow

Depth Well:

Source:

Pump Type: Casing Size:

Pipe Discharge Size:

95 feet

Estimated Yield:

7.00

Depth Water:

70 feet

Water Bearing Stratifications:

Bottom Description Top

70 Sandstone/Gravel/Conglomerate

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.

60

5/31/23 7:40 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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

C 00347

24S 13

580010

Driller License:

Driller Company:

BRININSTOOL, M.D.

Driller Name:

BRININSTOOL, M.D.

Drill Start Date: 07/02/1974

Drill Finish Date:

06/25/1976

Plug Date:

Shallow

Log File Date:

07/01/1976

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

100 GPM

Casing Size:

4.25

Depth Well:

60 feet

Depth Water:

30 feet

Water Bearing Stratifications:

Bottom Description Top

48

54 Other/Unknown

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.

5/31/23 7:43 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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**

C 01943

Q64 Q16 Q4 Sec Tws Rng 24S 27E

X

3565275*

Driller License:

961

MAVERICK DRILLING

Driller Name:

DON THOMPSON

Drill Finish Date:

Driller Company:

Plug Date:

Drill Start Date: Log File Date:

09/15/1981

09/25/1981

06/11/1982

PCW Rcv Date:

Source:

580221

Estimated Yield: 2 GPM

Pump Type: Casing Size: Pipe Discharge Size: Depth Well:

30 feet

Depth Water:

25 feet

Water Bearing Stratifications:

Description Top Bottom

Shallow Alluvium/Basin Fill

10 Other/Unknown

25 30 Sandstone/Gravel/Conglomerate

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.

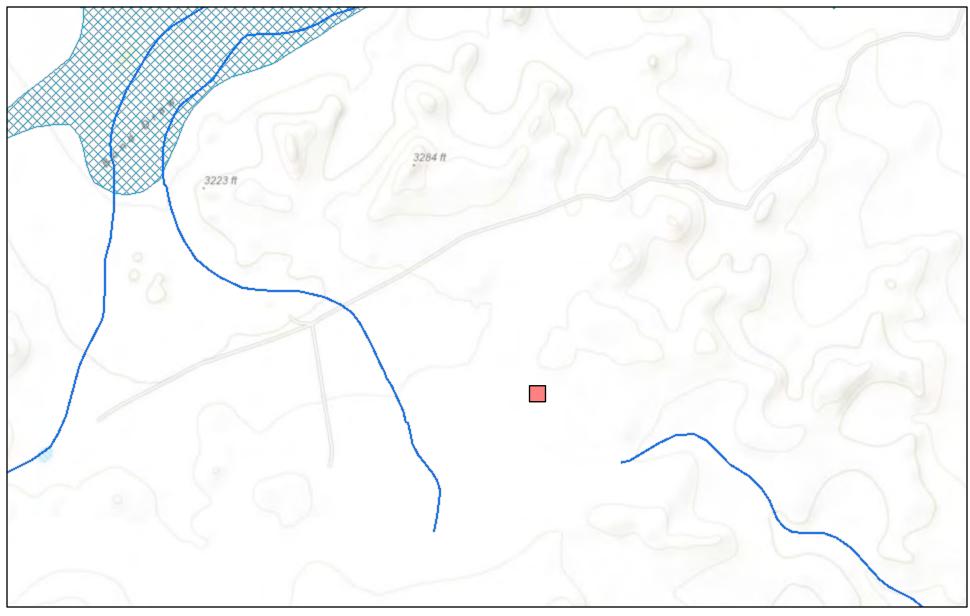
0

5/31/23 7:45 AM

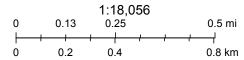
POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help

New Mexico NFHL Data



May 31, 2023



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

From: Sanjari, Melodie (MRO)

Sent: Wednesday, May 31, 2023 8:39 AM **To:** eco@slo.state.nm.us; Enviro, OCD, EMNRD

Cc: Clint Merritt; Mike Carmona

Subject: Marathon Oil Company - Sampling Notice - Release on ROW north of Black River 3H 8H 10H CTB

- nAPP2315050079

Good Morning,

Please let this email serve as the required notification prior to the collection of closure confirmation samples concerning incident nAPP2315050079. The sampling event is expected to take place at $\underline{12pm}$ MTN time this coming Friday the 2^{nd} of June.

Thank you very much.

Melodie Sanjari

Environmental Professional Permian & Oklahoma 575-988-8753



APPENDIX E

CARMONA RESOURCES

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/5/2023 2:31:37 PM

JOB DESCRIPTION

Black River 3H 8H 10H CTB SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-28960-1

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 6/5/2023 2:31:37 PM

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

14

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

Page 2 of 25

6/5/2023

Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB Laboratory Job ID: 880-28960-1 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	11
QC Sample Results	12
QC Association Summary	16
Lab Chronicle	19
Certification Summary	21
Method Summary	22
Sample Summary	23
Chain of Custody	24
Receipt Chacklists	25

2

3

4

6

8

10

13

14

Definitions/Glossary

Job ID: 880-28960-1 Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F2 MS/MSD RPD 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**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present **PQL**

Practical Quantitation Limit PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

Job ID: 880-28960-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-28960-1

Receipt

The samples were received on 5/31/2023 3:24 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 2.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-28960-1), H-2 (0-0.5') (880-28960-2), H-3 (0-0.5') (880-28960-3), H-4 (0-0.5') (880-28960-4), BG-1 (0-0.5') (880-28960-5) and BG-2 (0-0.5') (880-28960-6).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-54510 and analytical batch 880-54672 was outside the upper control limits.

Method 8021B: CCV biased low for Benzene and Toluene however an acceptable CCV was ran within the 12 hour window therefore the data have been qualified and reported.(CCV 880-54672/51)

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 880-54539 and analytical batch 880-54534 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: H-3 (0-0.5') (880-28960-3). 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 880-54539 and analytical batch 880-54534 contained Diesel Range Organics (Over C10-C28) and OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-54539 and analytical batch 880-54534 was outside control limits. Sample non-homogeneity is suspected.

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 6/5/2023

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28960-1

Matrix: Solid

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

Date Collected: 05/30/23 15:45 Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:31	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:31	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:31	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 19:31	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:31	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 19:31	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130				05/31/23 15:52	06/03/23 19:31	
1,4-Difluorobenzene (Surr)	81		70 - 130				05/31/23 15:52	06/03/23 19:31	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/02/23 09:50	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 15:19	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 15:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 15:19	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	117		70 - 130				06/01/23 07:59	06/01/23 15:19	
o-Terphenyl	123		70 - 130				06/01/23 07:59	06/01/23 15:19	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	• .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Chloride 52.3 4.98 06/01/23 15:16 mg/Kg Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-28960-2

Date Collected: 05/30/23 15:50 Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				05/31/23 15:52	06/03/23 19:52	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/31/23 15:52	06/03/23 19:52	1

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

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

Date Collected: 05/30/23 15:50 Date Received: 05/31/23 15:24 Lab Sample ID: 880-28960-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/02/23 09:50	1
Mothod: SW946 9045B NM Dica	ol Bango Orgo	nice (DBO)	(CC)						
Method: SW846 8015B NM - Dies Analyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 16:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 16:27	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/01/23 07:59	06/01/23 16:27	1
o-Terphenyl	124		70 - 130				06/01/23 07:59	06/01/23 16:27	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.9		4.95		mg/Kg			06/01/23 15:32	

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-28960-3

Date Collected: 05/30/23 15:55

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/31/23 15:52	06/03/23 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/31/23 15:52	06/03/23 20:12	1
1,4-Difluorobenzene (Surr)	81		70 400					00/00/00 00:40	1
		culation	70 - 130				05/31/23 15:52	06/03/23 20:12	,
Method: TAL SOP Total BTEX	(- Total BTEX Cald	culation Qualifier	70 - 130 RL	MDL	Unit	D			
	(- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>	05/31/23 15:52 Prepared	Analyzed 06/05/23 13:40	·
Method: TAL SOP Total BTEX Analyte	(- Total BTEX Cald Result <0.00402	Qualifier U	RL 0.00402	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	7 - Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U	RL 0.00402			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did	7 - Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 06/05/23 13:40	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	4 - Total BTEX Calc Result <0.00402 essel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 GC) RL 49.9		mg/Kg		Prepared	Analyzed 06/05/23 13:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	C - Total BTEX Calc Result <0.00402 esel Range Organ Result <49.9 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 06/05/23 13:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	C - Total BTEX Calc Result <0.00402 esel Range Organ Result <49.9 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U inics (DRO) Qualifier	RL 0.00402 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 06/05/23 13:40 Analyzed 06/02/23 09:50	Dil Fac

Eurofins Midland

Matrix: Solid

Job ID: 880-28960-1

Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

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

Date Collected: 05/30/23 15:55 Date Received: 05/31/23 15:24

Lab Sample ID: 880-28960-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/01/23 07:59	06/01/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	225	S1+	70 - 130			06/01/23 07:59	06/01/23 17:15	1
o-Terphenyl	239	S1+	70 - 130			06/01/23 07:59	06/01/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 4.97 61.8 06/01/23 15:37 Chloride mg/Kg

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

Date Collected: 05/30/23 16:00 Date Received: 05/31/23 15:24

Lab Sample ID: 880-28960-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 05/31/23 15:52 06/03/23 20:33 mg/Kg Toluene <0.00199 U 0.00199 05/31/23 15:52 06/03/23 20:33 mg/Kg Ethylbenzene <0.00199 0.00199 05/31/23 15:52 06/03/23 20:33 mg/Kg m-Xylene & p-Xylene 05/31/23 15:52 06/03/23 20:33 <0.00398 U 0.00398 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 05/31/23 15:52 06/03/23 20:33 <0.00398 U Xylenes, Total 0.00398 mg/Kg 05/31/23 15:52 06/03/23 20:33 %Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 101 06/03/23 20:33

70 - 130 05/31/23 15:52 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 70 - 130 05/31/23 15:52 84 06/03/23 20:33

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00398 U 0.00398 mg/Kg 06/05/23 13:40

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.9 U 49.9 06/02/23 09:50 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 06/01/23 07:59 06/01/23 17:36 mg/Kg (GRO)-C6-C10 06/01/23 07:59 06/01/23 17:36 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 06/01/23 07:59 06/01/23 17:36 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 5.04 06/01/23 15:43 60.2 mg/Kg

70 - 130

70 - 130

96

105

Eurofins Midland

06/01/23 17:36

06/01/23 17:36

06/01/23 07:59

06/01/23 07:59

1-Chlorooctane

o-Terphenyl

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28960-5

Matrix: Solid

Client Sample ID: BG-1	(0-0.5')
Date Collected: 05/30/23 16:0	5

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		05/31/23 15:52	06/03/23 20:53	
Toluene	<0.00198	U	0.00198		mg/Kg		05/31/23 15:52	06/03/23 20:53	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/31/23 15:52	06/03/23 20:53	
n-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/31/23 15:52	06/03/23 20:53	
o-Xylene	0.00920		0.00198		mg/Kg		05/31/23 15:52	06/03/23 20:53	
Cylenes, Total	0.00920		0.00396		mg/Kg		05/31/23 15:52	06/03/23 20:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
I-Bromofluorobenzene (Surr)	100		70 - 130				05/31/23 15:52	06/03/23 20:53	
1,4-Difluorobenzene (Surr)	77		70 - 130				05/31/23 15:52	06/03/23 20:53	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
	Daguilé	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil F
nalyte	Result	Qualifier	11		•	_			
Analyte Total BTEX	0.00920	Quaiiilei	0.00396		mg/Kg	_ <u>-</u>		06/05/23 13:40	
Total BTEX	0.00920		0.00396						
Total BTEX Method: SW846 8015 NM - Diese	0.00920 I Range Organ		0.00396				Prepared		Dil F
•	0.00920 I Range Organ	ics (DRO) (0.00396 GC)		mg/Kg	_ =	<u> </u>	06/05/23 13:40	Dil F
Total BTEX Method: SW846 8015 NM - Diese Analyte	0.00920 I Range Organ Result <49.8	ics (DRO) (O	0.00396 GC) RL 49.8		mg/Kg	_ =	<u> </u>	06/05/23 13:40 Analyzed	Dil F
otal BTEX Method: SW846 8015 NM - Diese Analyte otal TPH Method: SW846 8015B NM - Dies	0.00920 I Range Organ Result <49.8 sel Range Orga	ics (DRO) (O	0.00396 GC) RL 49.8	MDL	mg/Kg	_ =	<u> </u>	06/05/23 13:40 Analyzed	
Method: SW846 8015 NM - Diese analyte Otal TPH Method: SW846 8015B NM - Diese analyte Gasoline Range Organics	0.00920 I Range Organ Result <49.8 sel Range Orga	Qualifier Unics (DRO) Qualifier	0.00396 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg		Prepared	06/05/23 13:40 Analyzed 06/02/23 09:50	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10	I Range Organ Result 49.8 sel Range Orga Result 49.8	Qualifier U nics (DRO) Qualifier U U	0.00396 RL 49.8 (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg		Prepared Prepared 06/01/23 07:59	06/05/23 13:40 Analyzed 06/02/23 09:50 Analyzed 06/01/23 17:58	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	I Range Organ Result <49.8 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U U	0.00396 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit		Prepared Prepared	06/05/23 13:40 Analyzed 06/02/23 09:50 Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	0.00920 I Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00396 RL 49.8 (GC) RL 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 06/01/23 07:59 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/02/23 09:50 Analyzed 06/01/23 17:58	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	I Range Organ Result 49.8 sel Range Orga Result 49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00396 RL 49.8 (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg		Prepared Prepared 06/01/23 07:59	06/05/23 13:40 Analyzed 06/02/23 09:50 Analyzed 06/01/23 17:58	Dil F
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	0.00920 I Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U	0.00396 RL 49.8 (GC) RL 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 06/01/23 07:59 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/02/23 09:50 Analyzed 06/01/23 17:58	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	0.00920 I Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U	0.00396 RL 49.8 (GC) RL 49.8 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg		Prepared Prepared 06/01/23 07:59 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/02/23 09:50 Analyzed 06/01/23 17:58 06/01/23 17:58	Dil F

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

Analyte

Chloride

Date Collected: 05/30/23 16:10

Lab Sample ID: 880-28960-6 **Matrix: Solid**

MDL Unit

mg/Kg

D

Prepared

Analyzed

06/01/23 15:48

Dil Fac

RL

4.97

Result Qualifier

43.7

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				05/31/23 15:52	06/03/23 22:16	1
1.4-Difluorobenzene (Surr)	93		70 - 130				05/31/23 15:52	06/03/23 22:16	1

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-28960-6

Client Sample ID: BG-2 (0-0.5') Date Collected: 05/30/23 16:10

Date Received: 05/31/23 15:24

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/02/23 09:50	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 18:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 18:20	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				06/01/23 07:59	06/01/23 18:20	1
o-Terphenyl	118		70 - 130				06/01/23 07:59	06/01/23 18:20	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.5		4.99		mg/Kg			06/01/23 15:53	

Surrogate Summary

Client: Carmona Resources
Project/Site: Black River 3H 8H 10H CTB
SDG: Ed

Job ID: 880-28960-1 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-28960-1	H-1 (0-0.5')	105	81	
880-28960-2	H-2 (0-0.5')	100	83	
380-28960-3	H-3 (0-0.5')	104	81	
380-28960-4	H-4 (0-0.5')	101	84	
380-28960-5	BG-1 (0-0.5')	100	77	
380-28960-6	BG-2 (0-0.5')	100	93	
890-4749-A-1-C MS	Matrix Spike	110	110	
90-4749-A-1-D MSD	Matrix Spike Duplicate	108	110	
CS 880-54510/1-A	Lab Control Sample	109	109	
CSD 880-54510/2-A	Lab Control Sample Dup	113	96	
MB 880-54510/5-A	Method Blank	70	104	
MB 880-54575/5-A	Method Blank	70	104	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Lim
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	. <u></u>
880-28960-1	H-1 (0-0.5')	117	123	
880-28960-2	H-2 (0-0.5')	117	124	
880-28960-3	H-3 (0-0.5')	225 S1+	239 S1+	
880-28960-4	H-4 (0-0.5')	96	105	
880-28960-5	BG-1 (0-0.5')	97	107	
880-28960-6	BG-2 (0-0.5')	111	118	
80-28961-A-1-F MS	Matrix Spike	119	125	
880-28961-A-1-G MSD	Matrix Spike Duplicate	105	111	
.CS 880-54539/2-A	Lab Control Sample	90	104	
.CSD 880-54539/3-A	Lab Control Sample Dup	92	104	
ИВ 880-54539/1-A	Method Blank	119	136 S1+	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources Job ID: 880-28960-1 SDG: Eddy County, New Mexico Project/Site: Black River 3H 8H 10H CTB

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54510/5-A

Matrix: Solid Analysis Batch: 54672 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54510

ı		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
I	Toluene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
ı	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
	o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
	Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
ı										

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	05	5/31/23 13:57	06/03/23 17:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05	5/31/23 13:57	06/03/23 17:27	1

Lab Sample ID: LCS 880-54510/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 54672

Prep Type: Total/NA

Prep Batch: 54510

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1212	-	mg/Kg		121	70 - 130	
Toluene	0.100	0.1062		mg/Kg		106	70 - 130	
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.2105		mg/Kg		105	70 - 130	
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-54510/2-A

Matrix: Solid

Analysis Batch: 54672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 54510

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1178		mg/Kg		118	70 - 130	3	35
Toluene	0.100	0.1032		mg/Kg		103	70 - 130	3	35
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1.4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-4749-A-1-C MS

Matrix: Solid

Analysis Batch: 54672

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

Prep Batch: 54510

MS MS Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <0.00202 U 0.0996 112 70 - 130 Benzene 0.1113 mg/Kg Toluene <0.00202 U 0.0996 0.09570 mg/Kg 96 70 - 130

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Page 12 of 25

Client Sample ID: Matrix Spike

Prep Type: Total/NA

QC Sample Results

Job ID: 880-28960-1 Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-4749-A-1-C MS

Analysis Batch: 54672

Matrix: Solid

Analysis Batch: 54672									Prep	Batch: 54510
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U	0.0996	0.09212		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1906		mg/Kg		96	70 - 130	
o-Xylene	<0.00202	U	0.0996	0.09288		mg/Kg		93	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

La

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Lad Sample ID: 890-4/49-A-1-D MSD	Client Sample ID: Matrix Spike Duplicate
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 54672	Prep Batch: 54510

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier %Rec babbA Result Qualifier RPD Limit Analyte Unit D Limits Benzene <0.00202 U 0.0990 0.1108 mg/Kg 112 70 - 130 0 35 Toluene <0.00202 0.0990 0.09657 mg/Kg 98 70 - 130 35 <0.00202 0.0990 0.09400 95 70 - 130 2 35 Ethylbenzene U mg/Kg 0.198 m-Xylene & p-Xylene <0.00403 U 0.1939 mg/Kg 98 70 - 130 2 35 <0.00202 U 0.0990 0.09458 70 - 130 o-Xylene mg/Kg 96 2

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-54575/5-A

Matrix: Solid

Analysis Batch: 54672

Client Sample ID: Method Blank	
Prep Type: Total/NA	
Prep Batch: 54575	

MB MB MDL Unit Result Qualifier Dil Fac Analyte RL Prepared Analyzed Benzene <0.00200 0.00200 mg/Kg 06/01/23 11:30 06/03/23 06:24 Toluene <0.00200 U 0.00200 06/01/23 11:30 06/03/23 06:24 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 06/01/23 11:30 06/03/23 06:24 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 06/01/23 11:30 06/03/23 06:24 06/01/23 11:30 06/03/23 06:24 o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400 U 0.00400 mg/Kg 06/01/23 11:30 06/03/23 06:24

MB MB Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 70 70 - 130 06/01/23 11:30 06/03/23 06:24 1,4-Difluorobenzene (Surr) 104 70 - 130 06/01/23 11:30 06/03/23 06:24

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

Lab Sample ID: MB 880-54539/1-A

Matrix: Solid

Analysis Batch: 54534

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 54539

мв мв Analyte Result Qualifier RL MDL Unit Prepared <50.0 U 50.0 06/01/23 07:59 06/01/23 08:40 Gasoline Range Organics mg/Kg (GRO)-C6-C10

QC Sample Results

Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Job ID: 880-28960-1

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

Lab Sample ID: MB 880-54539/1-A **Matrix: Solid**

Analysis Batch: 54534

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 54539 мв мв

ı										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 08:40	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 08:40	1
		МВ	MB							

	MB I	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	06/01/23 07:59	06/01/23 08:40	1
o-Terphenyl	136	S1+	70 - 130	06/01/23 07:59	06/01/23 08:40	1

Lab Sample ID: LCS 880-54539/2-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA Analysis Batch: 54534 Prep Batch: 54539

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1220		mg/Kg	_	122	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	964.2		mg/Kg		96	70 - 130	
C10-C28)								

	LUS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-54539/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Prep Batch: 54539

Analysis Batch: 54534

	-	Spike	LCSD	LCSD				%Rec		RPD
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Gasoline Range Organics	1000	1113		mg/Kg		111	70 - 130	9	20
	(GRO)-C6-C10									
١	Diesel Range Organics (Over	1000	830.6		mg/Kg		83	70 - 130	15	20
١	C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-28961-A-1-F MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 54534 Prep Batch: 54539

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	1000	1224		mg/Kg		119	70 - 130	
Diesel Range Organics (Over C10-C28)	76.7		1000	1132		mg/Kg		106	70 - 130	

C10-C20)			
	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	125		70 - 130

Project/Site: Black River 3H 8H 10H CTB

Client: Carmona Resources

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28961-A-1-G MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 54534 Prep Type: Total/NA Prep Batch: 54539

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U F2	999	952.7	F2	mg/Kg		92	70 - 130	25	20
(GRO)-C6-C10											
Diesel Range Organics (Over	76.7		999	996.8		ma/Ka		92	70 - 130	13	20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	111		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54523/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54580

мв мв

	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	<5.00 U	5.00	mg/Kg			06/01/23 14:28	1

Lab Sample ID: LCS 880-54523/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54580

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	250.3	-	mg/Kg		100	90 - 110	

Lab Sample ID: LCSD 880-54523/3-A

Matrix: Solid

Analysis Batch: 54580

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	250.6		mg/Kg	_	100	90 - 110	0	20

Lab Sample ID: 880-28957-A-1-B MS

Matrix: Solid

Analysis Batch: 54580

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	63.5		251	313.2		ma/Ka		100	90 - 110	

Lab Sample ID: 880-28957-A-1-C MSD

Matrix: Solid

Analysis Batch: 54580

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	63.5		251	313.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1 SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 54510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	5035	
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-54510/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54510/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54510/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4749-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54575/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	8021B	54510
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	8021B	54510
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	8021B	54510
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	8021B	54510
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	8021B	54510
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	8021B	54510
MB 880-54510/5-A	Method Blank	Total/NA	Solid	8021B	54510
MB 880-54575/5-A	Method Blank	Total/NA	Solid	8021B	54575
LCS 880-54510/1-A	Lab Control Sample	Total/NA	Solid	8021B	54510
LCSD 880-54510/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54510
890-4749-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	54510
890-4749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54510

Analysis Batch: 54768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 54534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54539
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54539
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54539
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54539
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	8015B NM	54539
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	8015B NM	54539
MB 880-54539/1-A	Method Blank	Total/NA	Solid	8015B NM	54539

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8

13

14

QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-54539/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54539
LCSD 880-54539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54539
880-28961-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	54539
880-28961-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54539

Prep Batch: 54539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54539/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54539/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28961-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28961-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28960-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28960-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28960-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-28960-5	BG-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28960-6	BG-2 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28960-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28960-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28960-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-28960-5	BG-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28960-6	BG-2 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54523/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54523/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54523/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28957-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28957-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 54580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-1	H-1 (0-0.5')	Soluble	Solid	300.0	54523
880-28960-2	H-2 (0-0.5')	Soluble	Solid	300.0	54523
880-28960-3	H-3 (0-0.5')	Soluble	Solid	300.0	54523
880-28960-4	H-4 (0-0.5')	Soluble	Solid	300.0	54523
880-28960-5	BG-1 (0-0.5')	Soluble	Solid	300.0	54523

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Page 17 of 25

QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 54580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28960-6	BG-2 (0-0.5')	Soluble	Solid	300.0	54523
MB 880-54523/1-A	Method Blank	Soluble	Solid	300.0	54523
LCS 880-54523/2-A	Lab Control Sample	Soluble	Solid	300.0	54523
LCSD 880-54523/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54523
880-28957-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	54523
880-28957-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54523

Lab Chronicle

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-28960-1

Lab Sample ID: 880-28960-2

Lab Sample ID: 880-28960-3

Lab Sample ID: 880-28960-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: H-1 (0-0.5') Date Collected: 05/30/23 15:45

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:16	CH	EET MID

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

Date Collected: 05/30/23 15:50

Date Received: 05/31/23 15:24

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 16:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:32	CH	EET MID

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

Date Collected: 05/30/23 15:55

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:37	CH	EET MID

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

Released to Imaging: 11/28/2023 7:48:44 AM

Date Collected: 05/30/23 16:00

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID

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Page 19 of 25

Matrix: Solid

Lab Chronicle

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Job ID: 880-28960-1

Lab Sample ID: 880-28960-4

Lab Sample ID: 880-28960-5

Lab Sample ID: 880-28960-6

Matrix: Solid

Matrix: Solid

Matrix: Solid

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

Date Collected: 05/30/23 16:00 Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:43	CH	EET MID

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

Date Collected: 05/30/23 16:05

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 20:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:48	CH	EET MID

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

Date Collected: 05/30/23 16:10

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 22:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54768	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54632	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 18:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 15:53	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Job ID: 880-28960-1 Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of	• •	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

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
OI 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: Black River 3H 8H 10H CTB

Job ID: 880-28960-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28960-1	H-1 (0-0.5')	Solid	05/30/23 15:45	05/31/23 15:24
880-28960-2	H-2 (0-0.5')	Solid	05/30/23 15:50	05/31/23 15:24
880-28960-3	H-3 (0-0.5')	Solid	05/30/23 15:55	05/31/23 15:24
880-28960-4	H-4 (0-0.5')	Solid	05/30/23 16:00	05/31/23 15:24
880-28960-5	BG-1 (0-0.5')	Solid	05/30/23 16:05	05/31/23 15:24
880-28960-6	BG-2 (0-0.5')	Solid	05/30/23 16:10	05/31/23 15:24

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Received by: (Signature) Date/Time	Received	22	Date/Time	1			y (Signature)	Relinquished by	MARA	M
Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint MerrittC@carmonaresources.com	rmonaresources.com, Clint Me	hring@ca	ng cmoe	· Moehri	m, Connei	onaresources.co	carmona@carm	e Carmona m	results to Mik	Comments: Emai
Chair of Custody										
880-28960 Chain of C										
		×	×		G	×	16 10	5/30/2023	-0 5')	BG-2 (0-0 5)
		×	×		6	×	16 05	5/30/2023	-0 5')	BG-1 (0-0 5')
		×	×	_	G	×	16 00	5/30/2023	0 5')	H-4 (0-0 5')
		×	×	_	G	×	15 55	5/30/2023	0 5')	H-3 (0-0 5')
		×	×	_	G	×	15 50	5/30/2023	0 5')	H-2 (0-0 5')
		×	×	_	G	×	15 45	5/30/2023	0 5')	H-1 (0-0 5')
Sample Comments		TPH		# of Cont	Water Comp	Soil	Time	Date	ntification	Sample Identification
SAPC		1 801		1	22	ature	Corrected Temperature			Total Containers
Zn Acetate+NaOH Zn				ll	۲,۲	ling S	Temperature Reading	No ATTA	ils. Yes	Sample Custody Seals
				Pa	.' B		Correction Factor	No (N/A)	s Yes	Cooler Custody Seals
		O + E	8021	ram	The	1	Thermometer ID	(yes) No	(A)	Received Intact:
1204 12 NACT NA				eter	Yes) No	Wet Ice イ	Yes(No)	emp Blank.		SAMPLE RECEIPT
		+ M		s)		>			PO#:
<u></u>		RO)						CCM		Sampler's Name
					5 Day TAT	Due Date		Eddy County, New Mexico	Eddy	Project Location
Name NIO				Pres.	Rush	Routine		2043		Project Number
	ANALYSIS REQUEST				und	Turn Around	он ств	Black River 3H 8H 10H CTB	Black	Project Name
Deliverables EDD ADaPT Other	Del		com	athonoil.	msanjari@marathonoil.com	Email ms				Phone
Reporting Level III ☐Level III ☐ST/UST ☐RRP ☐Level IV ☐		Houston, TX 77024	Houston		City, State ZIP	City		9701	Midland, TX 79701	City State ZIP
[990 Town and Country Blvd	990 Tow		Address	Ado		Ste 500	310 W Wall St Ste 500	Address.
<u> </u>		Marathon Oil Corporation	Maratho		Company Name	Cor		ources	Carmona Resources	Company Name
S		Sanjarı	Melodie Sanjari		Bill to (if different)	Bill			Clinton Merritt	Project Manager
Page1 of1_			1						-	

Work Order No: 28960

1

Login Sample Receipt Checklist

Client: Carmona Resources Job Number: 880-28960-1

SDG Number: Eddy County, New Mexico

Login Number: 28960 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

ge so oj o/

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/5/2023 2:33:01 PM

JOB DESCRIPTION

Black River 3H 8H 10H CTB SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-28961-1

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 6/5/2023 2:33:01 PM

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

Page 2 of 28 6/5/2023 Released to Imaging: 11/28/2023 7:48:44 AM

Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB Laboratory Job ID: 880-28961-1 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	13
QC Sample Results	14
QC Association Summary	18
Lab Chronicle	21
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

2

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4

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14

Definitions/Glossary

Job ID: 880-28961-1 Client: Carmona Resources Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F2 MS/MSD RPD 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**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present **PQL**

Practical Quantitation Limit PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Job ID: 880-28961-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-28961-1

Receipt

The samples were received on 5/31/2023 3:24 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 2.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-6") (880-28961-1), S-1 (6"-1') (880-28961-2), S-1 (1'-1.5') (880-28961-3), S-2 (0-6") (880-28961-4), S-2 (6"-1') (880-28961-5), S-2 (1'-1.5') (880-28961-6), S-3 (0-6") (880-28961-7), S-3 (6"-1") (880-28961-8) and S-3 (1'-1.5") (880-28961-9).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-54510 and analytical batch 880-54672 was outside the upper control limits.

Method 8021B: CCV biased low for Benzene and Toluene however an acceptable CCV was ran within the 12 hour window therefore the data have been qualified and reported.(CCV 880-54672/51)

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 880-54539 and analytical batch 880-54534 was outside the upper control limits.

Method 8015MOD NM: The method blank for preparation batch 880-54539 and analytical batch 880-54534 contained Diesel Range Organics (Over C10-C28) and OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-54539 and analytical batch 880-54534 was outside control limits. Sample non-homogeneity is suspected.

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 6/5/2023 Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-1

Matrix: Solid

Client Sample ID: S-1 (0-6") Date Collected: 05/30/23 15:00

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
Toluene	0.00316		0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
m-Xylene & p-Xylene	0.0190		0.00399		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
o-Xylene	0.00497		0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
Xylenes, Total	0.0240		0.00399		mg/Kg		05/31/23 15:52	06/03/23 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/31/23 15:52	06/03/23 22:37	1
1,4-Difluorobenzene (Surr)	116		70 - 130				05/31/23 15:52	06/03/23 22:37	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0271		0.00399		mg/Kg			06/05/23 13:40	ı
Total BTEX : Method: SW846 8015 NM - Diese		ics (DRO) (mg/Kg			06/05/23 13.40	ı
	el Range Organ	ics (DRO) (MDL		D	Prepared	Analyzed	
Method: SW846 8015 NM - Diese	el Range Organ		GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	Result 76.7	Qualifier	GC) RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 76.7 sel Range Orga	Qualifier	GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result 76.7 sel Range Orga	Qualifier nics (DRO) Qualifier	GC) RL 49.9		Unit mg/Kg		· · ·	Analyzed 06/02/23 09:50	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 76.7 sel Range Orga Result	Qualifier nics (DRO) Qualifier	GC) RL 49.9 (GC) RL		Unit mg/Kg		Prepared	Analyzed 06/02/23 09:50 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result 76.7 sel Range Orga Result 49.9	Qualifier unics (DRO) Qualifier U F2	(GC) RL 49.9 (GC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 76.7 sel Range Orga Result Result 49.9 76.7	Qualifier unics (DRO) Qualifier U F2	GC) RL 49.9 (GC) RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/01/23 07:59 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21 06/01/23 11:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 76.7 sel Range Orga Result Result 49.9 76.7 76.7	Qualifier unics (DRO) Qualifier U F2	GC) RL 49.9 (GC) RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/01/23 07:59 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21 06/01/23 11:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result 76.7 sel Range Orga Result <49.9 76.7 <49.9 %Recovery	Qualifier unics (DRO) Qualifier U F2	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/01/23 07:59 06/01/23 07:59 06/01/23 07:59 Prepared	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21 06/01/23 11:21 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result 76.7 sel Range Orga Result <49.9 76.7 <49.9 **Recovery** 108 123	Qualifier mics (DRO) Qualifier U F2 U Qualifier	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/01/23 07:59 06/01/23 07:59 06/01/23 07:59 Prepared 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21 06/01/23 11:21 Analyzed 06/01/23 11:21	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 76.7	Qualifier mics (DRO) Qualifier U F2 U Qualifier	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 06/01/23 07:59 06/01/23 07:59 06/01/23 07:59 Prepared 06/01/23 07:59	Analyzed 06/02/23 09:50 Analyzed 06/01/23 11:21 06/01/23 11:21 Analyzed 06/01/23 11:21	Dil Fac 1 Dil Fac 1 1 Dil Fac

Client Sample ID: S-1 (6"-1') Lab Sample ID: 880-28961-2

Date Collected: 05/30/23 15:05 Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
o-Xylene	0.00429		0.00200		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
Xylenes, Total	0.00429		0.00401		mg/Kg		05/31/23 15:52	06/03/23 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/31/23 15:52	06/03/23 22:58	1
1,4-Difluorobenzene (Surr)	78		70 - 130				05/31/23 15:52	06/03/23 22:58	1

Eurofins Midland

Matrix: Solid

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-2

Matrix: Solid

Client Sample ID: S-1 (6"-1')

Date Collected: 05/30/23 15:05 Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00429		0.00401		mg/Kg			06/05/23 13:40	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/23 09:50	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 12:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 12:26	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				06/01/23 07:59	06/01/23 12:26	1
o-Terphenyl	107		70 - 130				06/01/23 07:59	06/01/23 12:26	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		5.00		mg/Kg			06/01/23 16:15	

Client Sample ID: S-1 (1'-1.5') Lab Sample ID: 880-28961-3 Date Collected: 05/30/23 15:10 **Matrix: Solid**

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/31/23 15:52	06/03/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/31/23 15:52	06/03/23 23:18	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/31/23 15:52	06/03/23 23:18	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald	Qualifier	70 - 130 RL 0.00399	MDL		<u>D</u>	05/31/23 15:52 Prepared	06/03/23 23:18 Analyzed 06/05/23 13:40	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399	Qualifier U	RL 0.00399	MDL	Unit mg/Kg	<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00399 esel Range Organ	Qualifier U	RL 0.00399	MDL MDL	mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00399 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00399		mg/Kg			Analyzed 06/05/23 13:40	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 49.8		mg/Kg		Prepared	Analyzed 06/05/23 13:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00399 esel Range Organ Result <49.8 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared	Analyzed 06/05/23 13:40 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00399 esel Range Organ Result <49.8 siesel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00399 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 06/05/23 13:40 Analyzed 06/02/23 09:50	Dil Fac

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1'-1.5')

Project/Site: Black River 3H 8H 10H CTB

Date Collected: 05/30/23 15:10 Date Received: 05/31/23 15:24

Client: Carmona Resources

Lab Sample ID: 880-28961-3

Matrix: Solid

0.0277

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/01/23 07:59	06/01/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/01/23 07:59	06/01/23 12:48	1
o-Terphenyl	113		70 - 130				06/01/23 07:59	06/01/23 12:48	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		4.95		mg/Kg			06/01/23 16:20	1

Client Sample ID: S-2 (0-6")

Date Collected: 05/30/23 15:15 Date Received: 05/31/23 15:24

Total BTEX

Lab Sample ID: 880-28961-4

06/05/23 13:40

Matrix: Solid

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
Toluene	0.00225		0.00201		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
Ethylbenzene	0.00340		0.00201		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
m-Xylene & p-Xylene	0.0180		0.00402		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
o-Xylene	0.00401		0.00201		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
Xylenes, Total	0.0220		0.00402		mg/Kg		05/31/23 15:52	06/03/23 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/31/23 15:52	06/03/23 23:39	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/31/23 15:52	06/03/23 23:39	1

Analyta	Popult Qualifier	DI	MDI Unit	D Bronored	Analyzad	Dil Eco	
Method: TAL SOP Total BTEX - Total BTI	EX Calculation						
1,4-Difluorobenzene (Surr)	104	70 - 130		05/31/23 15:52	06/03/23 23:39	1	

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GC	;)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			06/02/23 09:50	1

0.00402

mg/Kg

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 13:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 13:10	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/01/23 07:59	06/01/23 13:10	1
o-Terphenyl	116		70 - 130				06/01/23 07:59	06/01/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL M	DL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	19400	99.6	mg/Kg			06/01/23 16:36	20	

Client: Carmona Resources Job ID: 880-28961-1 Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6"-1")

Date Collected: 05/30/23 15:20 Date Received: 05/31/23 15:24 Lab Sample ID: 880-28961-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/03/23 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/31/23 15:52	06/03/23 23:59	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/31/23 15:52	06/03/23 23:59	1
 Method: TAL SOP Total BTEX 	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
	Daguit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifici			•			,u.,u.	D uo

	•	• •	` '						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:31	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/01/23 07:59	06/01/23 13:31	1
o-Terphenyl	115		70 - 130				06/01/23 07:59	06/01/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	65.4		4.95		mg/Kg			06/01/23 16:42	1	

Client Sample ID: S-2 (1'-1.5') Lab Sample ID: 880-28961-6 Date Collected: 05/30/23 15:25 **Matrix: Solid**

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/04/23 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/31/23 15:52	06/04/23 00:20	1
1,4-Difluorobenzene (Surr)	70		70 - 130				05/31/23 15:52	06/04/23 00:20	1

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1'-1.5')

Date Collected: 05/30/23 15:25 Date Received: 05/31/23 15:24 Lab Sample ID: 880-28961-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/23 09:50	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:53	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	102		70 - 130				06/01/23 07:59	06/01/23 13:53	1
o-Terphenyl	115		70 - 130				06/01/23 07:59	06/01/23 13:53	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.4		4.96		mg/Kg			06/01/23 16:47	1

Client Sample ID: S-3 (0-6") Lab Sample ID: 880-28961-7 **Matrix: Solid**

Date Collected: 05/30/23 15:30

Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
Toluene	0.00264		0.00200		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
m-Xylene & p-Xylene	0.0218		0.00400		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
o-Xylene	0.00570		0.00200		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
Xylenes, Total	0.0275		0.00400		mg/Kg		05/31/23 15:52	06/04/23 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				05/31/23 15:52	06/04/23 00:40	1
1,4-Difluorobenzene (Surr)	93		70 ₋ 130				05/31/23 15:52	06/04/23 00:40	1
• ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '									
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Method: TAL SOP Total BTEX Analyte		culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			RL 0.00400	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/05/23 13:40	Dil Fac
Analyte Total BTEX	Result 0.0301	Qualifier	0.00400	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die	Result 0.0301 esel Range Organ	Qualifier	0.00400		mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte	Result 0.0301 esel Range Organ	Qualifier ics (DRO) (0.00400 GC)		mg/Kg	<u> </u>		06/05/23 13:40	Dil Fac Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	Result 0.0301 esel Range Organ Result 53.5	Qualifier ics (DRO) ((Qualifier	0.00400 GC) RL 50.0		mg/Kg	<u> </u>		06/05/23 13:40 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	Result 0.0301 esel Range Organ Result 53.5 diesel Range Orga	Qualifier ics (DRO) ((Qualifier	0.00400 GC) RL 50.0	MDL	mg/Kg	<u> </u>		06/05/23 13:40 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	Result 0.0301 esel Range Organ Result 53.5 diesel Range Orga	Qualifier ics (DRO) (Qualifier nnics (DRO) Qualifier	0.00400 GC) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	06/05/23 13:40 Analyzed 06/02/23 09:50	Dil Fac

Eurofins Midland

C10-C28)

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-7

Matrix: Solid

Client Sample ID: S-3 (0-6")

Date Collected: 05/30/23 15:30 Date Received: 05/31/23 15:24

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/01/23 07:59	06/01/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			06/01/23 07:59	06/01/23 14:15	1
o-Terphenyl	123		70 - 130			06/01/23 07:59	06/01/23 14:15	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12100	101	mg/Kg			06/01/23 16:52	20

Client Sample ID: S-3 (6"-1")

Date Collected: 05/30/23 15:35 Date Received: 05/31/23 15:24

Total BTEX

Lab Sample ID: 880-28961-8

06/05/23 13:40

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/31/23 15:52	06/04/23 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/31/23 15:52	06/04/23 01:01	1
1.4-Difluorobenzene (Surr)	73		70 - 130				05/31/23 15:52	06/04/23 01:01	1

1,4-Difluorobenzene (Surr)	73	70 - 130		5/31/23 15:52	06/04/23 01:01			
Method: TAL SOP Total BTEX - Total BTE	EX Calculation							
Δnalvte	Result Qualifier	RI	MDI Unit	D	Prepared	Analyzed	Dil Fa	c

0.00402

mg/Kg

<0.00402 U

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			06/02/23 09:50	1
ì	- -									

Method: SW846 8015B NM - Dies Analyte	•	Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	- <49.9		49.9		mg/Kg	=	06/01/23 07:59	06/01/23 14:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 14:36	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/01/23 07:59	06/01/23 14:36	1
o-Terphenyl	112		70 - 130				06/01/23 07:59	06/01/23 14:36	1

Method: EPA 300.0 - Anions, Ion C	Soluble							
Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5	5.01		mg/Kg			06/01/23 16:58	1

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-9

Matrix: Solid

Client Sample ID: S-3 (1'-1.5')	
Date Collected: 05/30/23 15:40	

Date Received: 05/31/23 15:24

Method: SW846 8021B - Volatile Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199		0.00199		mg/Kg		05/31/23 15:52	06/04/23 01:21	
Toluene	< 0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 01:21	
Ethylbenzene	< 0.00199		0.00199		mg/Kg		05/31/23 15:52	06/04/23 01:21	
m-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg		05/31/23 15:52	06/04/23 01:21	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/31/23 15:52	06/04/23 01:21	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/31/23 15:52	06/04/23 01:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130				05/31/23 15:52	06/04/23 01:21	
1,4-Difluorobenzene (Surr)	75		70 - 130				05/31/23 15:52	06/04/23 01:21	
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/05/23 13:40	•
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/02/23 09:50	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 14:58	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 14:58	1
C10-C28) OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/01/23 07:59	06/01/23 14:58	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130				06/01/23 07:59	06/01/23 14:58	
- T	120		70 - 130				06/01/23 07:59	06/01/23 14:58	
o-Terphenyl									
o-rerpnenyr : Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
	• •	ohy - Solubl Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Carmona Resources

Job ID: 880-28961-1

Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-28961-1	S-1 (0-6")	96	116	
880-28961-2	S-1 (6"-1')	99	78	
380-28961-3	S-1 (1'-1.5')	96	81	
380-28961-4	S-2 (0-6")	115	104	
380-28961-5	S-2 (6"-1')	98	81	
380-28961-6	S-2 (1'-1.5')	93	70	
880-28961-7	S-3 (0-6")	123	93	
880-28961-8	S-3 (6"-1')	97	73	
380-28961-9	S-3 (1'-1.5')	104	75	
390-4749-A-1-C MS	Matrix Spike	110	110	
890-4749-A-1-D MSD	Matrix Spike Duplicate	108	110	
LCS 880-54510/1-A	Lab Control Sample	109	109	
LCSD 880-54510/2-A	Lab Control Sample Dup	113	96	
MB 880-54510/5-A	Method Blank	70	104	
MB 880-54575/5-A	Method Blank	70	104	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recover
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-28961-1	S-1 (0-6")	108	123	
380-28961-1 MS	S-1 (0-6")	119	125	
380-28961-1 MSD	S-1 (0-6")	105	111	
380-28961-2	S-1 (6"-1')	98	107	
380-28961-3	S-1 (1'-1.5')	102	113	
380-28961-4	S-2 (0-6")	104	116	
380-28961-5	S-2 (6"-1')	104	115	
380-28961-6	S-2 (1'-1.5')	102	115	
380-28961-7	S-3 (0-6")	110	123	
380-28961-8	S-3 (6"-1')	100	112	
380-28961-9	S-3 (1'-1.5')	113	120	
_CS 880-54539/2-A	Lab Control Sample	90	104	
_CSD 880-54539/3-A	Lab Control Sample Dup	92	104	
MB 880-54539/1-A	Method Blank	119	136 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources Job ID: 880-28961-1 SDG: Eddy County, New Mexico Project/Site: Black River 3H 8H 10H CTB

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54510/5-A

Matrix: Solid Analysis Batch: 54672 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54510

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/23 13:57	06/03/23 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/23 13:57	06/03/23 17:27	1

MB MB

MD MD

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70	70 - 130	05/31/23 13:57	06/03/23 17:27	1
1,4-Difluorobenzene (Surr)	104	70 - 130	05/31/23 13:57	06/03/23 17:27	1

Client Sample ID: Lab Control Sample

70 - 130

70 - 130

Prep Type: Total/NA Prep Batch: 54510

Lab Sample ID: LCS 880-54510/1-A **Matrix: Solid** Analysis Batch: 54672

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1212 mg/Kg 121 70 - 130 Toluene 0.100 0.1062 mg/Kg 106 70 - 130 0.100 Ethylbenzene 0.1001 mg/Kg 100 70 - 130

0.2105

0.1040

0.200

0.100

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

mg/Kg

mg/Kg

Matrix: Solid

m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 54672

Lab Sample ID: LCSD 880-54510/2-A

Prep Type: Total/NA Prep Batch: 54510

105

104

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1178		mg/Kg		118	70 - 130	3	35
Toluene	0.100	0.1032		mg/Kg		103	70 - 130	3	35
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: 890-4749-A-1-C MS

Matrix: Solid

Analysis Batch: 54672

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

Prep Batch: 54510

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.0996	0.1113		mg/Kg		112	70 - 130	
Toluene	<0.00202	U	0.0996	0.09570		mg/Kg		96	70 - 130	

QC Sample Results

Client: Carmona Resources Job ID: 880-28961-1 Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-4749-A-1-C MS

Matrix: Solid

Analysis Batch: 54672

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 54510

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U	0.0996	0.09212		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1906		mg/Kg		96	70 - 130	
o-Xylene	<0.00202	U	0.0996	0.09288		mg/Kg		93	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1,4-Difluorobenzene (Surr)	110	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54510

Lab Sample ID: 890-4749-A-1-D MSD **Matrix: Solid**

Analysis Batch: 54672

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0990	0.1108		mg/Kg		112	70 - 130	0	35
Toluene	<0.00202	U	0.0990	0.09657		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.0990	0.09400		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1939		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00202	U	0.0990	0.09458		mg/Kg		96	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-54575/5-A

Matrix: Solid

Analysis Batch: 54672

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

Prep Batch: 54575

MB MB Result Qualifier MDL Unit Prepared Analyzed Dil Fac Analyte RL Benzene <0.00200 U 0.00200 mg/Kg 06/01/23 11:30 06/03/23 06:24 Toluene <0.00200 U 0.00200 mg/Kg 06/01/23 11:30 06/03/23 06:24 Ethylbenzene <0.00200 U 0.00200 mg/Kg 06/01/23 11:30 06/03/23 06:24 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 06/01/23 11:30 06/03/23 06:24 0.00200 06/01/23 11:30 06/03/23 06:24 o-Xylene <0.00200 U mg/Kg <0.00400 U 0.00400 06/01/23 11:30 06/03/23 06:24 Xylenes, Total mg/Kg

MB MB

мв мв Result Qualifier

<50.0 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	06/01/23 11:30	06/03/23 06:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/01/23 11:30	06/03/23 06:24	1

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

Lab Sample ID: MB 880-54539/1-A

Matrix: Solid

Gasoline Range Organics

Analysis Batch: 54534

Client Sample ID: Method Blank

Prepared

06/01/23 07:59

Prep Type: Total/NA Prep Batch: 54539

06/01/23 08:40

(GRO)-C6-C10

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50.0

MDL Unit

mg/Kg

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 54539

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 54539

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Job ID: 880-28961-1 Client: Carmona Resources SDG: Eddy County, New Mexico Project/Site: Black River 3H 8H 10H CTB

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

Lab Sample ID: MB 880-54539/1-A	
Matrix: Solid	

Analysis Batch: 54534

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 08:40	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/01/23 07:59	06/01/23 08:40	,

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	06/01/23 07:59	06/01/23 08:40	1
o-Terphenyl	136	S1+	70 - 130	06/01/23 07:59	06/01/23 08:40	1

Lab Sample ID: LCS 880-54539/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 54534

Analysis Batch: 54534							Prep	Batch: 54539
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1220		mg/Kg		122	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	964.2		mg/Kg		96	70 - 130	
C10-C28)								

LCS LCS

l	Surrogate	%Recovery	Qualifier	Limits		
	1-Chlorooctane	90		70 - 130		
	o-Terphenyl	104		70 - 130		

Lab Sample ID: LCSD 880-54539/3-A

Matrix: Solid

Analysis Batch: 54534

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1113		mg/Kg		111	70 - 130	9	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	830.6		mg/Kg		83	70 - 130	15	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 92 70 - 130 o-Terphenyl 104 70 - 130

Lab Sa

Matrix: Solid

Analysis Batch: 54534

ample ID: 880-28961-1 MS	Client Sample ID: S-1 (0-6")
	D T 1014

Prep Type: Total/NA Prep Batch: 54539

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U F2 1000 1224 119 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 76.7 1000 1132 106 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	125		70 - 130

MS MS

Client: Carmona Resources Job ID: 880-28961-1 Project/Site: Black River 3H 8H 10H CTB SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28961-1 MSD Client Sample ID: S-1 (0-6") **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 54534

Analysis Batch: 54534									Prep	Batch:	54539
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U F2	999	952.7	F2	mg/Kg		92	70 - 130	25	20
(GRO)-C6-C10											
Diesel Range Organics (Over	76.7		999	996.8		mg/Kg		92	70 - 130	13	20
C10-C28)											

MSD MSD %Recovery Qualifier Limits Surrogate

1-Chlorooctane 70 - 130 105 o-Terphenyl 111 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54523/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54580

мв мв

Analyte	Result Quali		MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			06/01/23 14:28	1

Lab Sample ID: LCS 880-54523/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 54580

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	250.3		mg/Kg		100	90 - 110	 ·

Lab Sample ID: LCSD 880-54523/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 54580

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.6 100 90 - 110 mg/Kg

Lab Sample ID: 880-28961-1 MS Client Sample ID: S-1 (0-6") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54580

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	13500		5000	18650		ma/Ka	_	103	90 110	

Lab Sample ID: 880-28961-1 MSD Client Sample ID: S-1 (0-6") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54580

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	13500		5000	18680		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1 SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 54510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-28961-1	S-1 (0-6")	Total/NA	Solid	5035	
880-28961-2	S-1 (6"-1')	Total/NA	Solid	5035	
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	5035	
880-28961-4	S-2 (0-6")	Total/NA	Solid	5035	
880-28961-5	S-2 (6"-1')	Total/NA	Solid	5035	
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	5035	
880-28961-7	S-3 (0-6")	Total/NA	Solid	5035	
880-28961-8	S-3 (6"-1')	Total/NA	Solid	5035	
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	5035	
MB 880-54510/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54510/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54510/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4749-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54575/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Total/NA	Solid	8021B	54510
880-28961-2	S-1 (6"-1')	Total/NA	Solid	8021B	54510
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	8021B	54510
880-28961-4	S-2 (0-6")	Total/NA	Solid	8021B	54510
880-28961-5	S-2 (6"-1')	Total/NA	Solid	8021B	54510
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	8021B	54510
880-28961-7	S-3 (0-6")	Total/NA	Solid	8021B	54510
880-28961-8	S-3 (6"-1')	Total/NA	Solid	8021B	54510
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	8021B	54510
MB 880-54510/5-A	Method Blank	Total/NA	Solid	8021B	54510
MB 880-54575/5-A	Method Blank	Total/NA	Solid	8021B	54575
LCS 880-54510/1-A	Lab Control Sample	Total/NA	Solid	8021B	54510
LCSD 880-54510/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54510
890-4749-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	54510
890-4749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54510

Analysis Batch: 54769

Released to Imaging: 11/28/2023 7:48:44 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-28961-2	S-1 (6"-1')	Total/NA	Solid	Total BTEX	
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-28961-4	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-28961-5	S-2 (6"-1')	Total/NA	Solid	Total BTEX	
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	Total BTEX	
880-28961-7	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-28961-8	S-3 (6"-1")	Total/NA	Solid	Total BTEX	
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1 SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 54534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Total/NA	Solid	8015B NM	54539
880-28961-2	S-1 (6"-1')	Total/NA	Solid	8015B NM	54539
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	8015B NM	54539
880-28961-4	S-2 (0-6")	Total/NA	Solid	8015B NM	54539
880-28961-5	S-2 (6"-1')	Total/NA	Solid	8015B NM	54539
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	8015B NM	54539
880-28961-7	S-3 (0-6")	Total/NA	Solid	8015B NM	54539
880-28961-8	S-3 (6"-1')	Total/NA	Solid	8015B NM	54539
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	8015B NM	54539
MB 880-54539/1-A	Method Blank	Total/NA	Solid	8015B NM	54539
LCS 880-54539/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54539
LCSD 880-54539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54539
880-28961-1 MS	S-1 (0-6")	Total/NA	Solid	8015B NM	54539
880-28961-1 MSD	S-1 (0-6")	Total/NA	Solid	8015B NM	54539

Prep Batch: 54539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-28961-2	S-1 (6"-1')	Total/NA	Solid	8015NM Prep	
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-28961-4	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-28961-5	S-2 (6"-1')	Total/NA	Solid	8015NM Prep	
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-28961-7	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-28961-8	S-3 (6"-1')	Total/NA	Solid	8015NM Prep	
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-54539/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54539/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28961-1 MS	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-28961-1 MSD	S-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-28961-2	S-1 (6"-1')	Total/NA	Solid	8015 NM	
880-28961-3	S-1 (1'-1.5')	Total/NA	Solid	8015 NM	
880-28961-4	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-28961-5	S-2 (6"-1')	Total/NA	Solid	8015 NM	
880-28961-6	S-2 (1'-1.5')	Total/NA	Solid	8015 NM	
880-28961-7	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-28961-8	S-3 (6"-1')	Total/NA	Solid	8015 NM	
880-28961-9	S-3 (1'-1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-28961-2	S-1 (6"-1")	Soluble	Solid	DI Leach	
880-28961-3	S-1 (1'-1.5')	Soluble	Solid	DI Leach	

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Page 19 of 28

QC Association Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1 SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-4	S-2 (0-6")	Soluble	Solid	DI Leach	
880-28961-5	S-2 (6"-1')	Soluble	Solid	DI Leach	
880-28961-6	S-2 (1'-1.5')	Soluble	Solid	DI Leach	
880-28961-7	S-3 (0-6")	Soluble	Solid	DI Leach	
880-28961-8	S-3 (6"-1')	Soluble	Solid	DI Leach	
880-28961-9	S-3 (1'-1.5')	Soluble	Solid	DI Leach	
MB 880-54523/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54523/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54523/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28961-1 MS	S-1 (0-6")	Soluble	Solid	DI Leach	
880-28961-1 MSD	S-1 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 54580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28961-1	S-1 (0-6")	Soluble	Solid	300.0	54523
880-28961-2	S-1 (6"-1')	Soluble	Solid	300.0	54523
880-28961-3	S-1 (1'-1.5')	Soluble	Solid	300.0	54523
880-28961-4	S-2 (0-6")	Soluble	Solid	300.0	54523
880-28961-5	S-2 (6"-1')	Soluble	Solid	300.0	54523
880-28961-6	S-2 (1'-1.5')	Soluble	Solid	300.0	54523
880-28961-7	S-3 (0-6")	Soluble	Solid	300.0	54523
880-28961-8	S-3 (6"-1')	Soluble	Solid	300.0	54523
880-28961-9	S-3 (1'-1.5')	Soluble	Solid	300.0	54523
MB 880-54523/1-A	Method Blank	Soluble	Solid	300.0	54523
LCS 880-54523/2-A	Lab Control Sample	Soluble	Solid	300.0	54523
LCSD 880-54523/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54523
880-28961-1 MS	S-1 (0-6")	Soluble	Solid	300.0	54523
880-28961-1 MSD	S-1 (0-6")	Soluble	Solid	300.0	54523

Lab Chronicle

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-1

Matrix: Solid

Client Sample ID: S-1 (0-6")

Date Collected: 05/30/23 15:00 Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 11:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	54580	06/01/23 15:59	CH	EET MID

Client Sample ID: S-1 (6"-1")

Date Collected: 05/30/23 15:05

Date Received: 05/31/23 15:24

Lab Sample ID: 880-28961-2

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.99 g 5 mL 54510 05/31/23 15:52 MNR EET MID 8021B Total/NA 5 mL 06/03/23 22:58 **EET MID** Analysis 1 5 mL 54672 MNR Total/NA Total BTEX 54769 06/05/23 13:40 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 54631 06/02/23 09:50 SM **EET MID** Total/NA 54539 Prep 8015NM Prep 10.02 g 10 mL 06/01/23 07:59 AM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 54534 06/01/23 12:26 SM **EET MID** Soluble 05/31/23 15:38 Leach DI Leach 5 g 50 mL 54523 KS **EET MID** Soluble Analysis 300.0 50 mL 50 mL 54580 06/01/23 16:15 СН **EET MID**

Client Sample ID: S-1 (1'-1.5')

Date Collected: 05/30/23 15:10

Date Received: 05/31/23 15:24

Lab Sample ID: 880-28961-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 23:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 16:20	CH	EET MID

Date Received: 05/31/23 15:24

Soluble	Analysis	300.0	1	50 mL	50 mL	54580	06/01/23 16:20	СН	EET MID
Client Samp	le ID: S-2 (0	-6")					Lab Samp	ole ID:	880-28961-4
Date Collected	: 05/30/23 15:1	5							Matrix: Solid
Data Bassiyad	. 0E/24/22 4E.2.	4							

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID

Eurofins Midland

Page 21 of 28

Lab Chronicle

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Job ID: 880-28961-1

Lab Sample ID: 880-28961-4

Lab Sample ID: 880-28961-5

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: S-2 (0-6")

Date Collected: 05/30/23 15:15 Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	54580	06/01/23 16:36	CH	EET MID

Client Sample ID: S-2 (6"-1")

Date Collected: 05/30/23 15:20

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/03/23 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 16:42	CH	EET MID

Client Sample ID: S-2 (1'-1.5')

Date Collected: 05/30/23 15:25

Date Received: 05/31/23 15:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/04/23 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 16:47	CH	EET MID

Client Sample ID: S-3 (0-6")

Date Collected: 05/30/23 15:30

Date Received: 05/31/23 15:24

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/04/23 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 14:15	SM	EET MID

Eurofins Midland

Page 22 of 28

Lab Sample ID: 880-28961-6

Lab Sample ID: 880-28961-7 **Matrix: Solid**

Lab Chronicle

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-28961-7

Lab Sample ID: 880-28961-8

Matrix: Solid

Matrix: Solid

EET MID

EET MID

Client Sample ID: S-3 (0-6") Date Collected: 05/30/23 15:30

Date Received: 05/31/23 15:24

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Soluble	Leach	DI Leach			4.96 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Į	Soluble	Analysis	300.0		20	50 mL	50 mL	54580	06/01/23 16:52	CH	EET MID

Initial

Amount

4.97 g

5 mL

10.02 g

1 uL

4.99 g

50 mL

50 mL

50 mL

54523

54580

Dil

1

1

1

Factor

Run

Client Sample ID: S-3 (6"-1")

Batch

Type

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Date Collected: 05/30/23 15:35

Date Received: 05/31/23 15:24

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Final	Batch	Prepared		
Amount	Number	or Analyzed	Analyst	Lab
5 mL	54510	05/31/23 15:52	MNR	EET MID
5 mL	54672	06/04/23 01:01	MNR	EET MID
	54769	06/05/23 13:40	SM	EET MID
	54631	06/02/23 09:50	SM	EET MID
10 mL	54539	06/01/23 07:59	AM	EET MID
1 uL	54534	06/01/23 14:36	SM	EET MID

05/31/23 15:38

06/01/23 16:58

Client Sample ID: S-3 (1'-1.5')

Date Collected: 05/30/23 15:40

Date Received: 05/31/23 15:24

Lab Sample	ID:	880-28961-9
		Matrix: Solid

KS

СН

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54510	05/31/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54672	06/04/23 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54769	06/05/23 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			54631	06/02/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54539	06/01/23 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54534	06/01/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54523	05/31/23 15:38	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54580	06/01/23 17:03	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-28961-1

Project/Site: Black River 3H 8H 10H CTB

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-25	06-30-23	
The following analytes	are included in this report, but	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytee for	
the agency does not of	• •	it the laboratory is not certifi	ed by the governing authority. This list his	ay iliciude allaiytes loi	
,	• •	Matrix	Analyte	ay include analytes for	
the agency does not of	fer certification.	•	, , ,	ay include analytes for	

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Method Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

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

Eurofins Midland

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Sample Summary

Client: Carmona Resources

Project/Site: Black River 3H 8H 10H CTB

Job ID: 880-28961-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28961-1	S-1 (0-6")	Solid	05/30/23 15:00	05/31/23 15:24
880-28961-2	S-1 (6"-1')	Solid	05/30/23 15:05	05/31/23 15:24
880-28961-3	S-1 (1'-1.5')	Solid	05/30/23 15:10	05/31/23 15:24
880-28961-4	S-2 (0-6")	Solid	05/30/23 15:15	05/31/23 15:24
880-28961-5	S-2 (6"-1')	Solid	05/30/23 15:20	05/31/23 15:24
880-28961-6	S-2 (1'-1.5')	Solid	05/30/23 15:25	05/31/23 15:24
880-28961-7	S-3 (0-6")	Solid	05/30/23 15:30	05/31/23 15:24
880-28961-8	S-3 (6"-1')	Solid	05/30/23 15:35	05/31/23 15:24
880-28961-9	S-3 (1'-1.5')	Solid	05/30/23 15:40	05/31/23 15:24

Date/Time	eceived by: (Signature)	Tec.		Date/Time - 3) - 73	N _D			y (Signature)	Relinquished by: (Signature)	MA	Ma
ources.com	Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com	aresources.com, Clir	ing@carmon	cmoehr	<i>f</i> loehring	.com, Conner l	nonaresources	carmona@carn	e Carmona m	il results to Mik	Comments: Ema
Chain of Custody	880-28961 Chain of		×	×	1	G	×	15 40	5/30/2023	-1 5')	S-3 (1'-1 5')
			×	×	_	G	×	15 35	5/30/2023)"-1')	S-3 (6"-1")
			×	×		G	×	15 30	5/30/2023)-6")	S-3 (0-6")
			×	×	_	G	×	15 25	5/30/2023	-1 5')	S-2 (1'-1 5')
			×	×	_	6	×	15 20	5/30/2023	3"-1")	S-2 (6"-1")
-			×	×	1	G	×	15 15	5/30/2023)-6")	S-2 (0-6")
			×	×	_	6	×	15 10	5/30/2023	-1 5')	S-1 (1'-1 5')
			×	×	-1	G	×	15 05	5/30/2023	5"-1")	S-1 (6"-1")
			×	×	1	G	×	15 00	5/30/2023)-6")	S-1 (0-6")
Sample Comments				ТРН	# of Cont	Water Comp	Soil	Time	Date	ntification	Sample Identification
SAPC		4		I 801		9	ature	Corrected Temperature			Total Containers
H Zn			Ch			2	ding	Temperature Reading	No M/A	als Yes	Sample Custody Seals
			lorid	TEX GR	Pa	1. 8		Correction Factor	NO (N/R)	ls. Yes	Cooler Custody Seals.
ABIS			e 30		ran	The State of		Thermometer ID	No No	6	Received Intact:
U			00 0	1B DRO	nete	(Yes) No	Wet Ice	Yee No	Temp Blank		SAMPLE RECEIPT
•				+ M	rs						PO#
HCL HC HNO, HN				RO)					ССМ		Sampler's Name
						5 Day TAT	Due Date		Eddy County, New Mexico	Eddy	Project Location
None NO DI Water H ₂ O					Pres. Code	Rush	✓ Routine		2043		Project Number
Preservative Codes	UEST	ANALYSIS REQUEST				round	Turn Around)Н СТВ	Black River 3H 8H 10H CTB	Black	Project Name
Other	Deliverables EDD ADaPT				nonoil.con	msanıarı@marathonoil.com	Email n				Phone
'/UST ☐RRP ☐Level IV ☐	Reporting Level II Level III ST/UST		X 77024	Houston, TX 77024	I	City, State ZIP	C		701	Midland, TX 79701	City, State ZIP
	State of Project	<u>o.</u>	990 Town and Country Blvd	90 Town a	9	Address	Þ		Ste 500	310 W Wall St Ste 500	Address
nfields RC perfund	Program. UST/PST PRP rownfields		Marathon Oil Corporation	arathon C	2	Company Name	c		urces	Carmona Resources	Company Name
Comments	Work Order Comments		njari	Melodie Sanjari	~	Bill to (if different)	8			Clinton Merritt	Project Manager

Work Order No:	
18961	
6/5/2	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28961-1

SDG Number: Eddy County, New Mexico

List Source: Eurofins Midland

Login Number: 28961 List Number: 1

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	

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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

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 235806

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	235806
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/28/2023