

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Bonnie 35 Federal Com CTB (01.25.2016)
Incident ID: NAB1602733517
Eddy County, New Mexico
Unit P Sec 35 T25S R26E
32.07943°, -104.26348°

Point of Release:

A hammer union on the water transfer line came loose due to vibration from pressure.

Release Date: 01.25.2016

Volume Released: 20 Barrels of Produced Water

Volume Recovered: 5 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
6001 Deauville Blvd.
Suite 300N
Midland, Texas 79706

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

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 HISTORICAL ASSESSMENT - WORK PLAN

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW

FIGURE 2 TOPOGRAPHIC

FIGURE 3 HISTORICAL SAMPLE LOCATION

FIGURE 4 EXCAVATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C INITIAL AND FINAL C-141/NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS

APPENDIX F HISTORICAL WORK PLAN



January 9, 2025

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

Re: Closure Report
Bonnie 35 Federal Com CTB (01.25.2016)
Incident ID: NAB1602733517
Cimarex Energy Co.
Site Location: Unit P, S35, T25S, R26E
(Lat 32.07943°, Long -104.26348°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Bonnie 35 Federal Com CTB. The site is located at 32.07943°, -104.26348° within Unit P, S35, T25S, R26E, 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 leak was discovered on January 25, 2016, caused by a hammer union on a water transfer line coming loose due to vibration from pressure. It resulted in approximately twenty (20) barrels of produced water to spill, and five (5) barrels of produced water were recovered. The impacted area was located on the pad. Refer to Figure 3 for a spill overview. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.94 miles North of the site in S26, T25S, R26E and was drilled in 1998. The well has a reported depth to groundwater of 24.55 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Historical Assessment – Work Plan

Initial Soil Assessment

On March 16, 2016, Talon/LPE (Talon) performed site assessment activities to evaluate soil impacts. To assess the vertical extent, three (3) sample points (S-1 through S-3) were advanced to depths ranging from the surface to 2.0' bgs. 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 Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. Due to dense geological formations, vertical delineation was not achieved for the area of S-3. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. Based on the assessment results, a work plan was created, submitted to the Oil Conservation Division, but no evidence of remediation taking place. Refer to Appendix F for the historical work plan.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on December 6, 2024, and December 19, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 3.0' bgs, the area of S-2 was excavated to a depth of 1.0' bgs, and the area of S-3 was excavated to a depth of 3.0' bgs. A total of fourteen (14) confirmation floor samples (CS-1 through CS-14) and fourteen (14) sidewall samples (SW-1 through SW-14) 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 reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on December 20, 2024, before being utilized. Approximately 2,481 square feet of contamination were remediated, resulting in approximately 440 cubic yards of material being excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the remediation results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Cimarex formally requests 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

Ashton Thielke
Environmental Manager

Gilbert Priego Jr.
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
 CIMAREX ENERGY CO.
 BONNIE 35 FEDERAL COM CTB
 EDDY COUNTY, NEW MEXICO
 32.07943°, -104.26348°



FIGURE 1

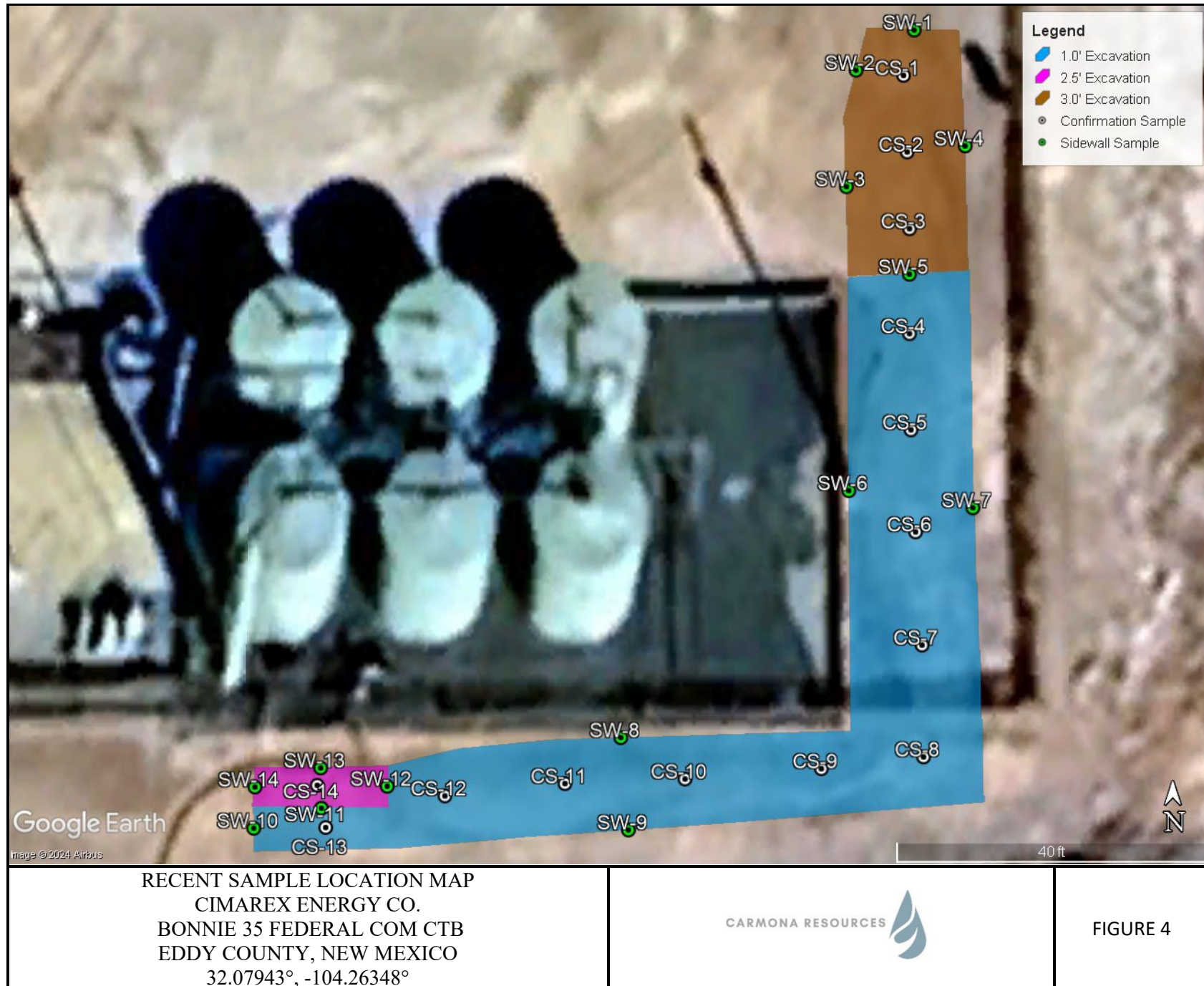


TOPOGRAPHIC MAP
CIMAREX ENERGY CO.
BONNIE 35 FEDERAL COM CTB
EDDY COUNTY, NEW MEXICO
32.07943°, -104.26348°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex Energy Co.
Bonnie 35 Federal Com CTB (01.25.2016)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)		Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO		
S-1	3/16/2016	0	ND	14.1	ND	56,000
	"	1 Refusal	-	-	-	288
S-2	3/16/2016	0	ND	11.8	ND	13,800
	"	1	-	-	-	1,550
	"	2 Refusal	-	-	-	496
S-3	3/16/2016	0	ND	ND	ND	9,600
	"	1	-	-	-	416
	"	1.5 Refusal	-	-	-	1,310
Regulatory Criteria^A					50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(ND) Not Detected

(-) Not Tested

 Removed

Table 2
Cimarex Energy Co.
Bonnie 35 Federal Com CTB (01.25.2016)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/20/2024	3.0	<49.9	<49.9	49.9	49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
CS-2	12/20/2024	3.0	<50.0	<50.0	50.3	50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	105
CS-3	12/20/2024	3.0	<49.9	<49.9	51.0	51.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	107
CS-4	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	103
CS-5	12/20/2024	1.0	<49.8	<49.8	50.0	50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	148
CS-6	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	155
CS-7	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
CS-8	12/20/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	110
CS-9	12/20/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	64.1
CS-10	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
CS-11	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	169
CS-12	12/20/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	160
CS-13	12/20/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	313
CS-14	12/20/2024	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	141
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Cimarex Energy Co.
Bonnie 35 Federal Com CTB (01.25.2016)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	12/20/2024	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.6
SW-2	12/20/2024	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	104
SW-3	12/20/2024	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	121
SW-4	12/20/2024	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	119
SW-5	12/20/2024	1.0-3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	358
SW-6	12/20/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	349
SW-7	12/20/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	347
SW-8	12/20/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	390
SW-9	12/20/2024	1.0	<49.9	<49.9	57.1	57.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	381
SW-10	12/20/2024	1.0	<49.9	<49.9	54.3	54.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370
SW-11	12/20/2024	1.0-2.5	<49.8	<49.8	55.2	55.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	148
SW-12	12/20/2024	1.0-2.5	<50.0	<50.0	52.4	52.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	65.5
SW-13	12/20/2024	2.5	<49.7	<49.7	52.8	52.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	103
SW-14	12/20/2024	2.5	<49.8	<49.8	50.5	50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
Fred Beard Backfill	12/13/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	180
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View West, area of CS-1 through CS-3.



Photograph No. 2

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View South, area of CS-1 through CS-8.



Photograph No. 3

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-8.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

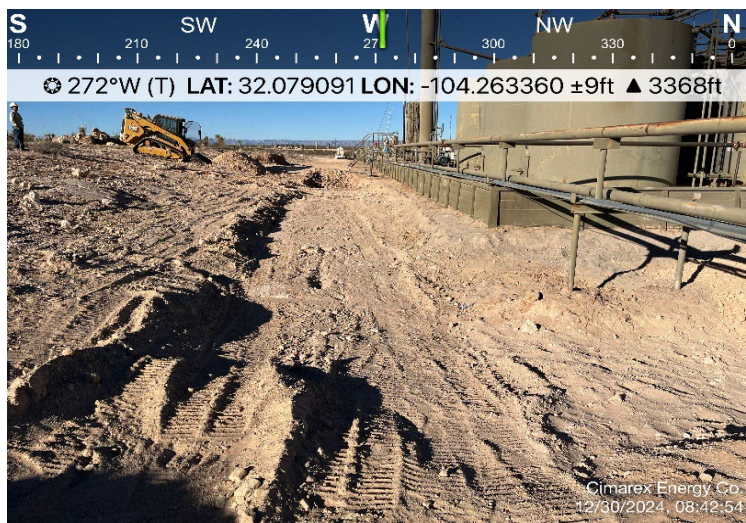
Photograph No. 4

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View West, area of CS-8 through CS-14.



Photograph No. 5

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-8 through CS-14.



Photograph No. 6

Facility: Bonnie 35 Federal Com CTB
(01.25.2016)

County: Eddy County, New Mexico

Description:

View West, area of CS-13 and CS-14.



APPENDIX C

CARMONA RESOURCES



NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 26 2016

Form C-141
Revised August 8, 2011Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.**RECEIVED**

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

State of New Mexico
Energy Minerals and Natural Resources

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

Release Notification and Corrective Action

NAB1602733517

OPERATOR
☒ Initial Report ☐ Final Report

Name of Company: Cimarex Energy <i>315099</i>	Contact: Gloria Garza
Address: 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-234-3204
Facility Name: Bonnie 35 Federal Com	Facility Type: Tank Battery
Surface Owner: Federal	Mineral Owner
API No.: 30-015-42956	

LOCATION OF RELEASE

Unit Letter P	Section 35	Township 25S	Range 26E	Feet from the 200	North/South Line FSL	Feet from the 970	East/West Line FEL	County Eddy
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Latitude: 32.0795801765834 _ Longitude: -104.258295270376 _

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 20 BBLS	Volume Recovered: 5 BBLS
Source of Release: Water transfer line	Date and Hour of Occurrence: 1/25/2015	Date and Hour of Discovery: 1/25/2016 2:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/Jeff Robertson	
By Whom? Gloria Garza	Date and Hour: 1/26/2015 9:00 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A hammer union on the water transfer line came loose due to vibration from pressure.

Describe Area Affected and Cleanup Action Taken.*

Diversified Environmental Services will remediate the impacted soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC 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.

Signature: <i>Gloria Garza</i>	OIL CONSERVATION DIVISION	
Printed Name: Gloria Garza	Signed By <i>[Signature]</i> Approved by Environmental Specialist:	
Title: ESH Tech	Approval Date: <i>1/27/16</i>	Expiration Date: <i>N/A</i>
E-mail Address: ggarza@cimarex.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines ☐ SUBMIT REMEDIATION PROPOSAL NO	
Date: 1/26/16 Phone: 432-234-3204	LATER THAN: <i>1/27/16</i>	

* Attach Additional Sheets If Necessary

2RP-3519

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 409526

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 409526
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1602733517
Incident Name	NAB1602733517 BONNIE 35 FEDERAL COM #001H @ 30-015-42956
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42956] BONNIE 35 FEDERAL COM #001H

Location of Release Source	
Site Name	BONNIE 35 FEDERAL COM #001H
Date Release Discovered	01/25/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,500
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.079317, -104.263487 Remediation to begin on 12/10/2024 and continue until 12/16/2024. Site has since been reassessed since the 2016 work plan.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 409526

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 409526
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/6/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 413750

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413750
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1602733517
Incident Name	NAB1602733517 BONNIE 35 FEDERAL COM #001H @ 30-015-42956
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42956] BONNIE 35 FEDERAL COM #001H

Location of Release Source	
Site Name	BONNIE 35 FEDERAL COM #001H
Date Release Discovered	01/25/2016
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,500
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/19/2024
Time sampling will commence	11:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988 A 48-hour sampling variance will be requested in the closure report for this sampling notice. A sampling notice (C-141N - 410203) was placed for a separate incident ID: nAB1725456752 (the well pad next to this site) and if NMOCD personal arrive onsite, they will be directed to witness the sampling event at this spill incident.
Please provide any information necessary for navigation to sampling site	32.079317, -104.263487

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 413750

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 413750
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/19/2024

APPENDIX D

CARMONA RESOURCES



Nearest water well

Cimarex Energy Co.

Legend

- 0.50 Mile Radius
- 2.02 Miles
- 2.08 Miles
- 2.09 Miles
- Bonnie 35 Federal Com CTB (01.25.2016)
- USGS Water Well

14.22' - Drilled 1992

13.96' - Drilled 2018

Bonnie 35 Federal Com CTB (01.25.2016)

12.60' - Drilled 2018



High Karst

Cimarex Energy Co.

Legend

-  Bonnie 35 Federal Com CTB (01.25.2016)
-  High
-  Medium

Bonnie 35 Federal Com CTB (01.25.2016)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 01013		C	ED			SE	25	25S	26E	571505.0	3551456.0 *		2810	245		
C 02220		CUB	ED	SW	NW	NE	26	25S	26E	569598.0	3552352.0 *		2876	35		
C 02221		CUB	ED	SE	SW	NE	25	25S	26E	571412.0	3551961.0 *		3128	35		
C 02438		CUB	ED	SE	NE	SW	12	26S	26E	571015.0	3546705.0 *		3154	30		
C 04329 POD1		C	ED	NE	NE	NE	27	25S	26E	568576.6	3552567.2		3227	57	14	43
C 03655 POD3		CUB	ED	NW	SE	SE	22	25S	26E	568458.2	3553019.0		3694			
C 02439		CUB	ED	NE	SE	NE	15	26S	26E	568614.0	3545697.0 *		3884	30		

Average Depth to Water: 14 feet

Minimum Depth: 14 feet

Maximum Depth: 14 feet

Record Count: 7

UTM Filters (in meters):

Easting: 569509.05

Northing: 3549477.24

Radius: 4000

* UTM location was derived from PLSS - see Help

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



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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320320104145101

Minimum number of levels = 1
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USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83
Land-surface elevation 3,230.90 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-01-25			D 62610		3217.55	NGVD29	1	Z			A
1978-01-25			D 62611		3219.22	NAVD88	1	Z			A
1978-01-25			D 72019	13.35			1	Z			A
1992-11-18			D 62610		3218.87	NGVD29	1	S			A
1992-11-18			D 62611		3220.54	NAVD88	1	S			A
1992-11-18			D 72019	12.03			1	S			A
1998-01-13			D 62610		3215.24	NGVD29	1	S			A
1998-01-13			D 62611		3216.91	NAVD88	1	S			A
1998-01-13			D 72019	15.66			1	S			A
2003-01-28			D 62610		3214.44	NGVD29	1	S	USGS	S	A
2003-01-28			D 62611		3216.11	NAVD88	1	S	USGS	S	A
2003-01-28			D 72019	16.46			1	S	USGS	S	A
2013-01-09	22:10 UTC	m	62610		3213.80	NGVD29	1	S	USGS	S	A
2013-01-09	22:10 UTC	m	62611		3215.47	NAVD88	1	S	USGS	S	A
2013-01-09	22:10 UTC	m	72019	17.10			1	S	USGS	S	A
2018-02-15	22:14 UTC	m	62610		3218.30	NGVD29	1	S	USGS	S	A
2018-02-15	22:14 UTC	m	62611		3219.97	NAVD88	1	S	USGS	S	A
2018-02-15	22:14 UTC	m	72019	12.60			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet

Section	Code	Description
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320320104145101&agency_cd=USGS&format=html)



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0.33 0.23 nadww02

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement
						Groundwater	New Mexico	GO

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320559104172201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico
Latitude 32°05'59", Longitude 104°17'22" NAD27
Land-surface elevation 3,283 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1983-02-01			D 62610		3266.82	NGVD29	1	Z			A
1983-02-01			D 62611		3268.50	NAVD88	1	Z			A
1983-02-01			D 72019	14.50			1	Z			A
1987-10-08			D 62610		3268.06	NGVD29	1	Z			A
1987-10-08			D 62611		3269.74	NAVD88	1	Z			A
1987-10-08			D 72019	13.26			1	Z			A
1992-11-19			D 62610		3267.10	NGVD29	P	S			A
1992-11-19			D 62611		3268.78	NAVD88	P	S			A
1992-11-19			D 72019	14.22			P	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined

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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measi
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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320616104142801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
Land-surface elevation 3,188.60 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-01-25			D 62610		3184.39	NGVD29	1	Z			A
1978-01-25			D 62611		3186.05	NAVD88	1	Z			A
1978-01-25			D 72019	4.21			1	Z			A
1983-02-01			D 62610		3185.96	NGVD29	1	Z			A
1983-02-01			D 62611		3187.62	NAVD88	1	Z			A
1983-02-01			D 72019	2.64			1	Z			A
1987-10-08			D 62610		3185.63	NGVD29	1	Z			A
1987-10-08			D 62611		3187.29	NAVD88	1	Z			A
1987-10-08			D 72019	2.97			1	Z			A
1992-11-04			D 62610		3186.55	NGVD29	1	S			A
1992-11-04			D 62611		3188.21	NAVD88	1	S			A
1992-11-04			D 72019	2.05			1	S			A
1998-01-07			D 62610		3186.62	NGVD29	1	S			A
1998-01-07			D 62611		3188.28	NAVD88	1	S			A
1998-01-07			D 72019	1.98			1	S			A
2003-01-28			D 62610		3181.38	NGVD29	1	S	USGS	S	A
2003-01-28			D 62611		3183.04	NAVD88	1	S	USGS	S	A
2003-01-28			D 72019	7.22			1	S	USGS	S	A
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2013-01-09 22:45 UTC		m	62611		3179.44	NAVD88	1	S	USGS	S	A
2013-01-09 22:45 UTC		m	72019	10.82			1	S	USGS	S	A
2018-02-13 22:15 UTC		m	62610		3174.64	NGVD29	1	S	USGS	S	A
2018-02-13 22:15 UTC		m	62611		3176.30	NAVD88	1	S	USGS	S	A
2018-02-13 22:15 UTC		m	72019	13.96			1	S	USGS	S	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

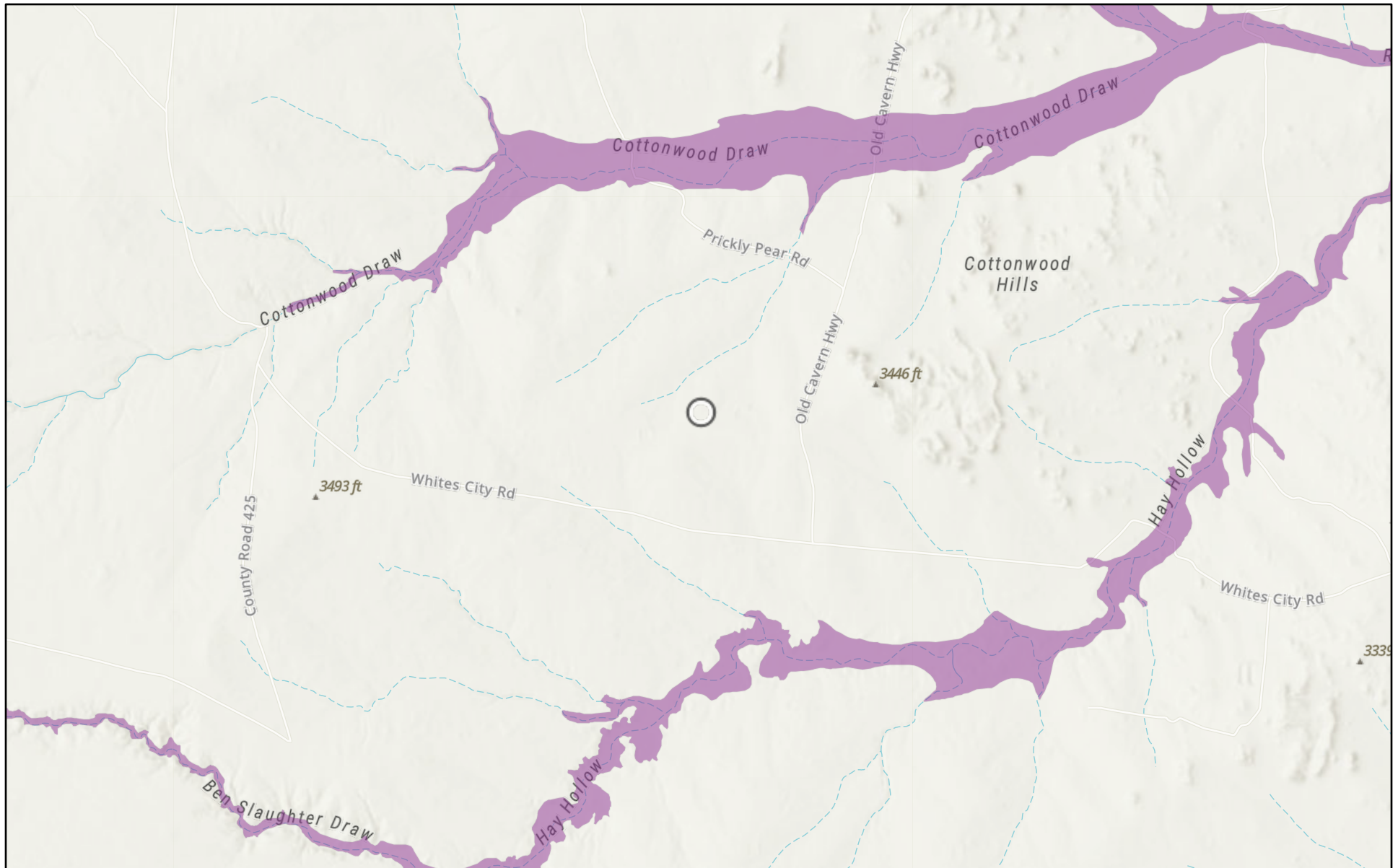
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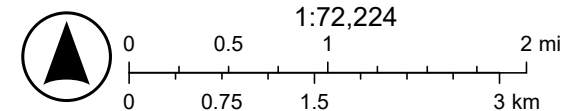


1/9/2025

USA Flood Hazard Areas

 1% Annual Chance Flood Hazard

World Hillshade



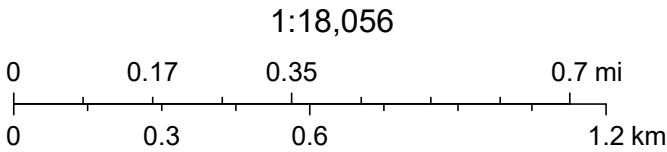
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— OSE Streams



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APPENDIX E

CARMONA RESOURCES





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 22, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BONNIE 35 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/17/16 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/17/2016	Sampling Date:	03/16/2016
Reported:	03/22/2016	Sampling Type:	Soil
Project Name:	BONNIE 35 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H600587-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTEX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	56000	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	14.1	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 92.2 % 35-147

Surrogate: 1-Chlorooctadecane 88.5 % 28-171

Sample ID: S-1 1' REFUSAL (H600587-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/18/2016	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/17/2016	Sampling Date:	03/16/2016
Reported:	03/22/2016	Sampling Type:	Soil
Project Name:	BONNIE 35 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H600587-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	11.8	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 95.4 % 28-171

Sample ID: S-2 1' (H600587-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	03/18/2016	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/17/2016	Sampling Date:	03/16/2016
Reported:	03/22/2016	Sampling Type:	Soil
Project Name:	BONNIE 35 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 2' REFUSAL (H600587-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/18/2016	ND	432	108	400	0.00	

Sample ID: S-3 0' (H600587-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTEX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	<10.0	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 93.8 % 35-147

Surrogate: 1-Chlorooctadecane 91.9 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/17/2016	Sampling Date:	03/16/2016
Reported:	03/22/2016	Sampling Type:	Soil
Project Name:	BONNIE 35 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1' (H600587-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/18/2016	ND	432	108	400	0.00	

Sample ID: S-3 1.5' REFUSAL (H600587-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	03/18/2016	ND	432	108	400	0.00	

Cardinal Laboratories

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE Project Manager: Address: 408 W. Texas Ave. City: Artesia Phone #: 575-746-8768 Project #: Project Name: Benic 35 Fed #1 Project Location: Sample Name: S. Hinchon FOR LAB USE ONLY				P.O. #: Cinnarcx Company: Talon/LPE Attn: Max D Falt Address: City: Carlsbad State: Zip: Phone #: 575-725-7675 Fax #:			
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV. SAMPLING			
DATE TIME		TPH BTEX Chlorides					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH	BTEX	Chlorides
H600587																	
1	S-1 0'	G	1										3/16/16	12:16	/	/	/
2	S-1 1' refusal	G	1											12:18	/	/	/
3	S-2 0'	G	1											12:21	/	/	/
4	S-2 1'	G	1											12:22	/	/	/
5	S-2 2' refusal	G	1											12:24	/	/	/
6	S-3 0'	G	1											12:24	/	/	/
7	S-3 1'	G	1											12:30	/	/	/
8	S-3 1.5' refusal	G	1											12:33	/	/	/

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Relinquished By: Stephen Pearce Date: 3/17/16 Time: 10:15 Received By:		Relinquished By: Stephen Pearce Date: 3/17/16 Time: 10:15 Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐ Yes ☐ No ☐	
5.40c		5.40c	

REMARKS:
 stop at if less than 250



Environment Testing

- 1
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- 3
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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/27/2024 3:44:00 PM

JOB DESCRIPTION

Bonnie 35 Federal Com CTB
Eddy Co, NM

JOB NUMBER

880-52553-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

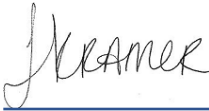
Eurofins Midland

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
12/27/2024 3:44:00 PM

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

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Laboratory Job ID: 880-52553-1
SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	28
QC Sample Results	30
QC Association Summary	38
Lab Chronicle	45
Certification Summary	54
Method Summary	55
Sample Summary	56
Chain of Custody	57
Receipt Checklists	60

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1

Job ID: 880-52553-1

Eurofins Midland

Job Narrative
880-52553-1

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

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

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

Receipt

The samples were received on 12/20/2024 1:42 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 -4.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (3.0') (880-52553-1), SW-2 (3.0') (880-52553-2), SW-3 (3.0') (880-52553-3), SW-4 (3.0') (880-52553-4), SW-5 (1'-3.0') (880-52553-5), SW-6 (1.0') (880-52553-6), SW-7 (1.0') (880-52553-7), SW-8 (1.0') (880-52553-8), SW-9 (1.0') (880-52553-9), SW-10 (1.0') (880-52553-10), SW-11 (1'-2.5') (880-52553-11), SW-12 (1'-2.5') (880-52553-12), SW-13 (2.5') (880-52553-13), SW-14 (2.5') (880-52553-14), CS-1 (3.0') (880-52553-15), CS-2 (3.0') (880-52553-16), CS-3 (3.0') (880-52553-17), CS-4 (1.0') (880-52553-18), CS-5 (1.0') (880-52553-19), CS-6 (1.0') (880-52553-20), CS-7 (1.0') (880-52553-21), CS-8 (1.0') (880-52553-22), CS-9 (1.0') (880-52553-23), CS-10 (1.0') (880-52553-24), CS-11 (1.0') (880-52553-25), CS-12 (1.0') (880-52553-26), CS-13 (1.0') (880-52553-27) and CS-14 (2.5') (880-52553-28).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-2 (3.0') (880-52553-2) and SW-8 (1.0') (880-52553-8). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-98766 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-98766/5).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-98766 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-98766/20).

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3.0')

Lab Sample ID: 880-52553-1

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/20/24 14:47	12/20/24 22:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 22:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	12/23/24 10:52	12/26/24 21:25	1
o-Terphenyl	118		70 - 130	12/23/24 10:52	12/26/24 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.6		9.94		mg/Kg			12/21/24 04:03	1

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-52553-2

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/20/24 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/24 14:47	12/20/24 22:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 22:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-52553-2

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				12/23/24 10:52	12/26/24 22:27	1
o-Terphenyl	132	S1+	70 - 130				12/23/24 10:52	12/26/24 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.96		mg/Kg			12/21/24 04:09	1

Client Sample ID: SW-3 (3.0')

Lab Sample ID: 880-52553-3

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/20/24 14:47	12/20/24 23:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/20/24 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/23/24 10:52	12/26/24 22:47	1
o-Terphenyl	121		70 - 130				12/23/24 10:52	12/26/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.98		mg/Kg			12/21/24 04:15	1

Client Sample ID: SW-4 (3.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/20/24 23:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 14:47	12/20/24 23:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				12/23/24 10:52	12/26/24 23:08	1
o-Terphenyl	128		70 - 130				12/23/24 10:52	12/26/24 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.0		mg/Kg			12/21/24 04:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (1'-3.0')

Lab Sample ID: 880-52553-5

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/20/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 23:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 23:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/24 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/23/24 10:52	12/26/24 23:28	1
o-Terphenyl	117		70 - 130	12/23/24 10:52	12/26/24 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358		10.0		mg/Kg			12/21/24 04:38	1

Client Sample ID: SW-6 (1.0')

Lab Sample ID: 880-52553-6

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/20/24 14:47	12/21/24 00:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/21/24 00:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (1.0')

Lab Sample ID: 880-52553-6

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/21/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/23/24 10:52	12/26/24 23:48	1
o-Terphenyl	111		70 - 130				12/23/24 10:52	12/26/24 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		10.0		mg/Kg			12/21/24 04:44	1

Client Sample ID: SW-7 (1.0')

Lab Sample ID: 880-52553-7

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 00:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/27/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (1.0')

Lab Sample ID: 880-52553-7

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/23/24 10:52	12/27/24 00:09	1
o-Terphenyl	125		70 - 130				12/23/24 10:52	12/27/24 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		10.0		mg/Kg			12/21/24 04:50	1

Client Sample ID: SW-8 (1.0')

Lab Sample ID: 880-52553-8

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 00:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 00:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/27/24 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				12/23/24 10:52	12/27/24 00:30	1
o-Terphenyl	135	S1+	70 - 130				12/23/24 10:52	12/27/24 00:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		10.1		mg/Kg			12/21/24 04:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (1.0')

Lab Sample ID: 880-52553-9

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/20/24 14:47	12/21/24 01:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/20/24 14:47	12/21/24 01:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.1		49.9		mg/Kg			12/26/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Oil Range Organics (Over C28-C36)	57.1		49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/23/24 10:52	12/26/24 20:23	1
o-Terphenyl	115		70 - 130	12/23/24 10:52	12/26/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		9.96		mg/Kg			12/21/24 05:02	1

Client Sample ID: SW-10 (1.0')

Lab Sample ID: 880-52553-10

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/20/24 14:47	12/21/24 01:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/20/24 14:47	12/21/24 01:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-10 (1.0')

Lab Sample ID: 880-52553-10

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.3		49.9		mg/Kg			12/26/24 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Oil Range Organics (Over C28-C36)	54.3		49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/23/24 10:52	12/26/24 20:44	1
o-Terphenyl	110		70 - 130				12/23/24 10:52	12/26/24 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		9.96		mg/Kg			12/21/24 05:20	1

Client Sample ID: SW-11 (1'-2.5')

Lab Sample ID: 880-52553-11

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/20/24 14:47	12/21/24 03:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 14:47	12/21/24 03:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/21/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.2		49.8		mg/Kg			12/26/24 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (1'-2.5')

Lab Sample ID: 880-52553-11

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1
Oil Range Organics (Over C28-C36)	55.2		49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/23/24 10:52	12/26/24 21:05	1
o-Terphenyl	111		70 - 130				12/23/24 10:52	12/26/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.94		mg/Kg			12/21/24 05:26	1

Client Sample ID: SW-12 (1'-2.5')

Lab Sample ID: 880-52553-12

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/20/24 14:47	12/21/24 03:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 03:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 03:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.4		50.0		mg/Kg			12/26/24 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Oil Range Organics (Over C28-C36)	52.4		50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/23/24 10:52	12/26/24 21:25	1
o-Terphenyl	118		70 - 130				12/23/24 10:52	12/26/24 21:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-12 (1'-2.5')

Lab Sample ID: 880-52553-12

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		9.90		mg/Kg			12/21/24 05:43	1

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-52553-13

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/20/24 14:47	12/21/24 03:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.8		49.7		mg/Kg			12/26/24 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1
Oil Range Organics (Over C28-C36)	52.8		49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	12/23/24 10:52	12/26/24 21:45	1
o-Terphenyl	121		70 - 130	12/23/24 10:52	12/26/24 21:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.0		mg/Kg			12/21/24 05:49	1

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-52553-14

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-52553-14

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/20/24 14:47	12/21/24 04:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 04:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		49.8		mg/Kg			12/26/24 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Oil Range Organics (Over C28-C36)	50.5		49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/23/24 10:52	12/26/24 22:05	1
o-Terphenyl	122		70 - 130				12/23/24 10:52	12/26/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		10.0		mg/Kg			12/21/24 05:55	1

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-52553-15

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 04:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 04:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-52553-15

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9		mg/Kg			12/26/24 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Oil Range Organics (Over C28-C36)	49.9		49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				12/23/24 10:52	12/26/24 22:27	1
o-Terphenyl	99		70 - 130				12/23/24 10:52	12/26/24 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		10.1		mg/Kg			12/21/24 06:01	1

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-52553-16

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/20/24 14:47	12/21/24 04:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/20/24 14:47	12/21/24 04:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/21/24 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0		mg/Kg			12/26/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Oil Range Organics (Over C28-C36)	50.3		50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-52553-16

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/23/24 10:52	12/26/24 22:47	1
o-Terphenyl	114		70 - 130	12/23/24 10:52	12/26/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.98		mg/Kg			12/21/24 06:07	1

Client Sample ID: CS-3 (3.0')

Lab Sample ID: 880-52553-17

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 05:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.0		49.9		mg/Kg			12/26/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Oil Range Organics (Over C28-C36)	51.0		49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/23/24 10:52	12/26/24 23:08	1
o-Terphenyl	120		70 - 130				12/23/24 10:52	12/26/24 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		9.98		mg/Kg			12/21/24 07:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (1.0')

Lab Sample ID: 880-52553-18

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/20/24 14:47	12/21/24 05:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/23/24 10:52	12/26/24 23:28	1
o-Terphenyl	127		70 - 130	12/23/24 10:52	12/26/24 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.90		mg/Kg			12/21/24 06:14	1

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-52553-19

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/20/24 14:47	12/21/24 05:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 05:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-52553-19

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0		49.8		mg/Kg			12/26/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Oil Range Organics (Over C28-C36)	50.0		49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/23/24 10:52	12/26/24 23:48	1
o-Terphenyl	105		70 - 130				12/23/24 10:52	12/26/24 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.98		mg/Kg			12/21/24 22:29	1

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-52553-20

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 06:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 06:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/21/24 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/27/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-52553-20

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/23/24 10:52	12/27/24 00:09	1
o-Terphenyl	107		70 - 130				12/23/24 10:52	12/27/24 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		9.92		mg/Kg			12/21/24 22:54	1

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-52553-21

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/20/24 14:51	12/20/24 22:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/20/24 14:51	12/20/24 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/24 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/23/24 15:07	12/23/24 22:13	1
o-Terphenyl	100		70 - 130				12/23/24 15:07	12/23/24 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		10.1		mg/Kg			12/21/24 23:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-8 (1.0')

Lab Sample ID: 880-52553-22

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/20/24 14:51	12/20/24 22:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:51	12/20/24 22:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/23/24 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/23/24 15:07	12/23/24 23:14	1
o-Terphenyl	96		70 - 130	12/23/24 15:07	12/23/24 23:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.96		mg/Kg			12/21/24 23:10	1

Client Sample ID: CS-9 (1.0')

Lab Sample ID: 880-52553-23

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/20/24 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/20/24 14:51	12/20/24 22:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/24 14:51	12/20/24 22:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (1.0')

Lab Sample ID: 880-52553-23

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/23/24 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/23/24 15:07	12/23/24 23:35	1
o-Terphenyl	87		70 - 130				12/23/24 15:07	12/23/24 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.1		9.96		mg/Kg			12/21/24 23:18	1

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/20/24 14:51	12/20/24 23:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/20/24 14:51	12/20/24 23:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/24 23:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/23/24 15:07	12/23/24 23:56	1
o-Terphenyl	90		70 - 130				12/23/24 15:07	12/23/24 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		9.92		mg/Kg			12/22/24 16:41	1

Client Sample ID: CS-11 (1.0')

Lab Sample ID: 880-52553-25

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/20/24 14:51	12/20/24 23:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/20/24 14:51	12/20/24 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/24 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/24/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/23/24 15:07	12/24/24 00:16	1
o-Terphenyl	107		70 - 130				12/23/24 15:07	12/24/24 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		10.1		mg/Kg			12/22/24 16:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-12 (1.0')

Lab Sample ID: 880-52553-26

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/20/24 14:51	12/20/24 23:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/24 14:51	12/20/24 23:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/24/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/23/24 15:07	12/24/24 00:36	1
o-Terphenyl	99		70 - 130	12/23/24 15:07	12/24/24 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.94		mg/Kg			12/22/24 16:53	1

Client Sample ID: CS-13 (1.0')

Lab Sample ID: 880-52553-27

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:51	12/21/24 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/20/24 14:51	12/21/24 00:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/20/24 14:51	12/21/24 00:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (1.0')

Lab Sample ID: 880-52553-27

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/24/24 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/23/24 15:07	12/24/24 00:57	1
o-Terphenyl	98		70 - 130				12/23/24 15:07	12/24/24 00:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		9.98		mg/Kg			12/22/24 16:59	1

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-52553-28

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				12/20/24 14:51	12/21/24 00:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/20/24 14:51	12/21/24 00:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/24/24 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (2.5')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-28
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/23/24 15:07	12/24/24 01:18	1
o-Terphenyl	91		70 - 130				12/23/24 15:07	12/24/24 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		9.96		mg/Kg			12/22/24 17:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-52553-1	SW-1 (3.0')	96	97
880-52553-1 MS	SW-1 (3.0')	110	98
880-52553-1 MSD	SW-1 (3.0')	93	101
880-52553-2	SW-2 (3.0')	100	97
880-52553-3	SW-3 (3.0')	101	99
880-52553-4	SW-4 (3.0')	98	97
880-52553-5	SW-5 (1'-3.0')	97	97
880-52553-6	SW-6 (1.0')	108	97
880-52553-7	SW-7 (1.0')	96	99
880-52553-8	SW-8 (1.0')	98	99
880-52553-9	SW-9 (1.0')	103	99
880-52553-10	SW-10 (1.0')	95	101
880-52553-11	SW-11 (1'-2.5')	101	97
880-52553-12	SW-12 (1'-2.5')	104	99
880-52553-13	SW-13 (2.5')	92	98
880-52553-14	SW-14 (2.5')	108	98
880-52553-15	CS-1 (3.0')	96	99
880-52553-16	CS-2 (3.0')	103	100
880-52553-17	CS-3 (3.0')	99	98
880-52553-18	CS-4 (1.0')	106	98
880-52553-19	CS-5 (1.0')	103	98
880-52553-20	CS-6 (1.0')	96	99
880-52553-21	CS-7 (1.0')	123	96
880-52553-21 MS	CS-7 (1.0')	106	97
880-52553-21 MSD	CS-7 (1.0')	105	97
880-52553-22	CS-8 (1.0')	124	97
880-52553-23	CS-9 (1.0')	124	95
880-52553-24	CS-10 (1.0')	122	96
880-52553-25	CS-11 (1.0')	111	91
880-52553-26	CS-12 (1.0')	123	95
880-52553-27	CS-13 (1.0')	122	96
880-52553-28	CS-14 (2.5')	125	95
LCS 880-98494/1-A	Lab Control Sample	99	99
LCS 880-98495/1-A	Lab Control Sample	103	100
LCSD 880-98494/2-A	Lab Control Sample Dup	111	98
LCSD 880-98495/2-A	Lab Control Sample Dup	99	98
MB 880-98432/5-A	Method Blank	112	85
MB 880-98435/5-A	Method Blank	92	93
MB 880-98494/5-A	Method Blank	95	93
MB 880-98495/5-A	Method Blank	118	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52553-1	SW-1 (3.0')	116	118
880-52553-1 MS	SW-1 (3.0')	102	97
880-52553-1 MSD	SW-1 (3.0')	110	97
880-52553-2	SW-2 (3.0')	127	132 S1+
880-52553-3	SW-3 (3.0')	120	121
880-52553-4	SW-4 (3.0')	126	128
880-52553-5	SW-5 (1'-3.0')	115	117
880-52553-6	SW-6 (1.0')	112	111
880-52553-7	SW-7 (1.0')	121	125
880-52553-8	SW-8 (1.0')	129	135 S1+
880-52553-9	SW-9 (1.0')	97	115
880-52553-10	SW-10 (1.0')	98	110
880-52553-11	SW-11 (1'-2.5')	97	111
880-52553-12	SW-12 (1'-2.5')	100	118
880-52553-13	SW-13 (2.5')	103	121
880-52553-14	SW-14 (2.5')	108	122
880-52553-15	CS-1 (3.0')	84	99
880-52553-16	CS-2 (3.0')	99	114
880-52553-17	CS-3 (3.0')	103	120
880-52553-18	CS-4 (1.0')	111	127
880-52553-19	CS-5 (1.0')	92	105
880-52553-20	CS-6 (1.0')	93	107
880-52553-21	CS-7 (1.0')	96	100
880-52553-21 MS	CS-7 (1.0')	94	85
880-52553-21 MSD	CS-7 (1.0')	95	85
880-52553-22	CS-8 (1.0')	100	96
880-52553-23	CS-9 (1.0')	85	87
880-52553-24	CS-10 (1.0')	86	90
880-52553-25	CS-11 (1.0')	99	107
880-52553-26	CS-12 (1.0')	95	99
880-52553-27	CS-13 (1.0')	93	98
880-52553-28	CS-14 (2.5')	89	91
LCS 880-98643/2-A	Lab Control Sample	102	104
LCS 880-98722/2-A	Lab Control Sample	96	96
LCSD 880-98643/3-A	Lab Control Sample Dup	114	111
LCSD 880-98722/3-A	Lab Control Sample Dup	113	108
MB 880-98643/1-A	Method Blank	105	110
MB 880-98722/1-A	Method Blank	89	95

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98432/5-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/20/24 08:24	12/20/24 11:08	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/20/24 08:24	12/20/24 11:08	1

Lab Sample ID: MB 880-98435/5-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/20/24 08:33	12/20/24 11:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 08:33	12/20/24 11:07	1

Lab Sample ID: MB 880-98494/5-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/20/24 22:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/20/24 14:47	12/20/24 22:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 14:47	12/20/24 22:07	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-98494/1-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1193		mg/Kg		119	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2083		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130

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

Lab Sample ID: LCSD 880-98494/2-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1184		mg/Kg		118	70 - 130	1	35
Toluene	0.100	0.1129		mg/Kg		113	70 - 130	2	35
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2065		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1162		mg/Kg		116	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-1 MS

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1080		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.1063		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1955		mg/Kg		98	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1081		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1122		mg/Kg		111	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.1088		mg/Kg		108	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.1047		mg/Kg		104	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2021		mg/Kg		100	70 - 130	3	35
o-Xylene	<0.00199	U	0.101	0.1100		mg/Kg		109	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-98495/5-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:51	12/20/24 21:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/20/24 14:51	12/20/24 21:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/20/24 14:51	12/20/24 21:46	1

Lab Sample ID: LCS 880-98495/1-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1129		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-98495/2-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1152		mg/Kg		115	70 - 130	0	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	1	35
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-21 MS

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1044		mg/Kg		105	70 - 130
Toluene	<0.00199	U	0.0996	0.09755		mg/Kg		98	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1968		mg/Kg		99	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1008		mg/Kg		101	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-52553-21 MSD

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1044		mg/Kg		104	70 - 130	0	35
Toluene	<0.00199	U	0.101	0.09842		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1005		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1992		mg/Kg		99	70 - 130	1	35
o-Xylene	<0.00199	U	0.101	0.1018		mg/Kg		101	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98643/1-A

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	105		70 - 130	12/23/24 10:52	12/26/24 20:23	1			
o-Terphenyl	110		70 - 130	12/23/24 10:52	12/26/24 20:23	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-98643/2-A

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98643

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	943.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	943.6		mg/Kg		94	70 - 130		

Lab Sample ID: LCSD 880-98643/3-A

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98643

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte											
Gasoline Range Organics (GRO)-C6-C10			1000	1016		mg/Kg		102	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1027		mg/Kg		103	70 - 130	8	20

Lab Sample ID: 880-52553-1 MS

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	829.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	918.1		mg/Kg		92	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	895.7		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	973.7		mg/Kg		98	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	97		70 - 130

Lab Sample ID: MB 880-98722/1-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98722

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130				12/23/24 15:07	12/23/24 21:11	1	
<i>o</i> -Terphenyl	95		70 - 130				12/23/24 15:07	12/23/24 21:11	1	

Lab Sample ID: LCS 880-98722/2-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98722

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	908.7		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	898.4		mg/Kg		90	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
<i>o</i> -Terphenyl	96		70 - 130								

Lab Sample ID: LCSD 880-98722/3-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98722

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1047		mg/Kg		105	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1027		mg/Kg		103	70 - 130	13	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
<i>o</i> -Terphenyl	108		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-21 MS

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	770.7		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	769.2		mg/Kg		77	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: 880-52553-21 MSD

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	785.1		mg/Kg		76	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	777.9		mg/Kg		78	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	85		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98524/1-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/21/24 03:21	1

Lab Sample ID: LCS 880-98524/2-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-98524/3-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52553-9 MS

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: SW-9 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	381		249	635.8		mg/Kg		102	90 - 110

Lab Sample ID: 880-52553-9 MSD

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: SW-9 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	381		249	636.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-98528/1-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/21/24 22:05	1

Lab Sample ID: LCS 880-98528/2-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-98528/3-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.0		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 880-52553-19 MS

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: CS-5 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	148		250	385.8		mg/Kg		95	90 - 110

Lab Sample ID: 880-52553-19 MSD

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: CS-5 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	148		250	400.9		mg/Kg		101	90 - 110	4	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 98350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8021B	98495
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8021B	98495
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8021B	98495
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8021B	98495
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8021B	98495
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8021B	98495
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8021B	98495
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8021B	98495
MB 880-98432/5-A	Method Blank	Total/NA	Solid	8021B	98432
MB 880-98495/5-A	Method Blank	Total/NA	Solid	8021B	98495
LCS 880-98495/1-A	Lab Control Sample	Total/NA	Solid	8021B	98495
LCSD 880-98495/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98495
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8021B	98495
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8021B	98495

Analysis Batch: 98353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8021B	98494
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8021B	98494
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8021B	98494
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8021B	98494
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8021B	98494
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8021B	98494
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8021B	98494
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8021B	98494
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8021B	98494
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8021B	98494
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8021B	98494
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8021B	98494
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8021B	98494
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8021B	98494
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8021B	98494
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8021B	98494
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8021B	98494
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8021B	98494
MB 880-98435/5-A	Method Blank	Total/NA	Solid	8021B	98435
MB 880-98494/5-A	Method Blank	Total/NA	Solid	8021B	98494
LCS 880-98494/1-A	Lab Control Sample	Total/NA	Solid	8021B	98494
LCSD 880-98494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98494
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8021B	98494

Prep Batch: 98432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98432/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 98435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98435/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 98494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	5035	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	5035	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	5035	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	5035	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	5035	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	5035	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	5035	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	5035	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	5035	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	5035	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	5035	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	5035	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	5035	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	5035	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	5035	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	5035	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	5035	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	5035	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	5035	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	5035	
MB 880-98494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	5035	
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	5035	

Prep Batch: 98495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	5035	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	5035	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	5035	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	5035	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	5035	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	5035	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	5035	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	5035	
MB 880-98495/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98495/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98495/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	5035	
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	5035	

Analysis Batch: 98738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	Total BTEX	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 98738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-8	SW-8 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	Total BTEX	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	Total BTEX	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	Total BTEX	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	Total BTEX	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-21	CS-7 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 98593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015B NM	98722
MB 880-98722/1-A	Method Blank	Total/NA	Solid	8015B NM	98722
LCS 880-98722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98722
LCSD 880-98722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98722
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722

Prep Batch: 98643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015NM Prep	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 98643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015NM Prep	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015NM Prep	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015NM Prep	
MB 880-98643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 98722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-98722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015B NM	98643
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015B NM	98643
MB 880-98643/1-A	Method Blank	Total/NA	Solid	8015B NM	98643
LCS 880-98643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98643
LCSD 880-98643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98643
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 98766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015B NM	98643
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015B NM	98643
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015B NM	98643
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015B NM	98643
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015B NM	98643

Analysis Batch: 98798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015 NM	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015 NM	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015 NM	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015 NM	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015 NM	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015 NM	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015 NM	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015 NM	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015 NM	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015 NM	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015 NM	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015 NM	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015 NM	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015 NM	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015 NM	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015 NM	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015 NM	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015 NM	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015 NM	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015 NM	
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015 NM	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015 NM	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015 NM	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015 NM	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015 NM	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015 NM	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015 NM	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Soluble	Solid	DI Leach	
880-52553-2	SW-2 (3.0')	Soluble	Solid	DI Leach	
880-52553-3	SW-3 (3.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 98524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-4	SW-4 (3.0')	Soluble	Solid	DI Leach	
880-52553-5	SW-5 (1'-3.0')	Soluble	Solid	DI Leach	
880-52553-6	SW-6 (1.0')	Soluble	Solid	DI Leach	
880-52553-7	SW-7 (1.0')	Soluble	Solid	DI Leach	
880-52553-8	SW-8 (1.0')	Soluble	Solid	DI Leach	
880-52553-9	SW-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-10	SW-10 (1.0')	Soluble	Solid	DI Leach	
880-52553-11	SW-11 (1'-2.5')	Soluble	Solid	DI Leach	
880-52553-12	SW-12 (1'-2.5')	Soluble	Solid	DI Leach	
880-52553-13	SW-13 (2.5')	Soluble	Solid	DI Leach	
880-52553-14	SW-14 (2.5')	Soluble	Solid	DI Leach	
880-52553-15	CS-1 (3.0')	Soluble	Solid	DI Leach	
880-52553-16	CS-2 (3.0')	Soluble	Solid	DI Leach	
880-52553-17	CS-3 (3.0')	Soluble	Solid	DI Leach	
880-52553-18	CS-4 (1.0')	Soluble	Solid	DI Leach	
MB 880-98524/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98524/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98524/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52553-9 MS	SW-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-9 MSD	SW-9 (1.0')	Soluble	Solid	DI Leach	

Leach Batch: 98528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-19	CS-5 (1.0')	Soluble	Solid	DI Leach	
880-52553-20	CS-6 (1.0')	Soluble	Solid	DI Leach	
880-52553-21	CS-7 (1.0')	Soluble	Solid	DI Leach	
880-52553-22	CS-8 (1.0')	Soluble	Solid	DI Leach	
880-52553-23	CS-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-24	CS-10 (1.0')	Soluble	Solid	DI Leach	
880-52553-25	CS-11 (1.0')	Soluble	Solid	DI Leach	
880-52553-26	CS-12 (1.0')	Soluble	Solid	DI Leach	
880-52553-27	CS-13 (1.0')	Soluble	Solid	DI Leach	
880-52553-28	CS-14 (2.5')	Soluble	Solid	DI Leach	
MB 880-98528/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52553-19 MS	CS-5 (1.0')	Soluble	Solid	DI Leach	
880-52553-19 MSD	CS-5 (1.0')	Soluble	Solid	DI Leach	

Analysis Batch: 98529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Soluble	Solid	300.0	98524
880-52553-2	SW-2 (3.0')	Soluble	Solid	300.0	98524
880-52553-3	SW-3 (3.0')	Soluble	Solid	300.0	98524
880-52553-4	SW-4 (3.0')	Soluble	Solid	300.0	98524
880-52553-5	SW-5 (1'-3.0')	Soluble	Solid	300.0	98524
880-52553-6	SW-6 (1.0')	Soluble	Solid	300.0	98524
880-52553-7	SW-7 (1.0')	Soluble	Solid	300.0	98524
880-52553-8	SW-8 (1.0')	Soluble	Solid	300.0	98524
880-52553-9	SW-9 (1.0')	Soluble	Solid	300.0	98524
880-52553-10	SW-10 (1.0')	Soluble	Solid	300.0	98524

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 98529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-11	SW-11 (1'-2.5')	Soluble	Solid	300.0	98524
880-52553-12	SW-12 (1'-2.5')	Soluble	Solid	300.0	98524
880-52553-13	SW-13 (2.5')	Soluble	Solid	300.0	98524
880-52553-14	SW-14 (2.5')	Soluble	Solid	300.0	98524
880-52553-15	CS-1 (3.0')	Soluble	Solid	300.0	98524
880-52553-16	CS-2 (3.0')	Soluble	Solid	300.0	98524
880-52553-17	CS-3 (3.0')	Soluble	Solid	300.0	98524
880-52553-18	CS-4 (1.0')	Soluble	Solid	300.0	98524
MB 880-98524/1-A	Method Blank	Soluble	Solid	300.0	98524
LCS 880-98524/2-A	Lab Control Sample	Soluble	Solid	300.0	98524
LCSD 880-98524/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98524
880-52553-9 MS	SW-9 (1.0')	Soluble	Solid	300.0	98524
880-52553-9 MSD	SW-9 (1.0')	Soluble	Solid	300.0	98524

Analysis Batch: 98531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-19	CS-5 (1.0')	Soluble	Solid	300.0	98528
880-52553-20	CS-6 (1.0')	Soluble	Solid	300.0	98528
880-52553-21	CS-7 (1.0')	Soluble	Solid	300.0	98528
880-52553-22	CS-8 (1.0')	Soluble	Solid	300.0	98528
880-52553-23	CS-9 (1.0')	Soluble	Solid	300.0	98528
880-52553-24	CS-10 (1.0')	Soluble	Solid	300.0	98528
880-52553-25	CS-11 (1.0')	Soluble	Solid	300.0	98528
880-52553-26	CS-12 (1.0')	Soluble	Solid	300.0	98528
880-52553-27	CS-13 (1.0')	Soluble	Solid	300.0	98528
880-52553-28	CS-14 (2.5')	Soluble	Solid	300.0	98528
MB 880-98528/1-A	Method Blank	Soluble	Solid	300.0	98528
LCS 880-98528/2-A	Lab Control Sample	Soluble	Solid	300.0	98528
LCSD 880-98528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98528
880-52553-19 MS	CS-5 (1.0')	Soluble	Solid	300.0	98528
880-52553-19 MSD	CS-5 (1.0')	Soluble	Solid	300.0	98528

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 21:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:03	CH	EET MID

Client Sample ID: SW-2 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 22:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:09	CH	EET MID

Client Sample ID: SW-3 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:15	CH	EET MID

Client Sample ID: SW-4 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (3.0')**Lab Sample ID: 880-52553-4****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:08	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:32	CH	EET MID

Client Sample ID: SW-5 (1'-3.0')**Lab Sample ID: 880-52553-5****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:38	CH	EET MID

Client Sample ID: SW-6 (1.0')**Lab Sample ID: 880-52553-6****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:44	CH	EET MID

Client Sample ID: SW-7 (1.0')**Lab Sample ID: 880-52553-7****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/27/24 00:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (1.0')**Lab Sample ID: 880-52553-7****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:50	CH	EET MID

Client Sample ID: SW-8 (1.0')**Lab Sample ID: 880-52553-8****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/27/24 00:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:56	CH	EET MID

Client Sample ID: SW-9 (1.0')**Lab Sample ID: 880-52553-9****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 01:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 20:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:02	CH	EET MID

Client Sample ID: SW-10 (1.0')**Lab Sample ID: 880-52553-10****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 20:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (1'-2.5')**Lab Sample ID: 880-52553-11****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:26	CH	EET MID

Client Sample ID: SW-12 (1'-2.5')**Lab Sample ID: 880-52553-12****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:43	CH	EET MID

Client Sample ID: SW-13 (2.5')**Lab Sample ID: 880-52553-13****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:49	CH	EET MID

Client Sample ID: SW-14 (2.5')**Lab Sample ID: 880-52553-14****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2.5')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:55	CH	EET MID

Client Sample ID: CS-1 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:01	CH	EET MID

Client Sample ID: CS-2 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:07	CH	EET MID

Client Sample ID: CS-3 (3.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (3.0')**Lab Sample ID: 880-52553-17****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 07:55	CH	EET MID

Client Sample ID: CS-4 (1.0')**Lab Sample ID: 880-52553-18****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:14	CH	EET MID

Client Sample ID: CS-5 (1.0')**Lab Sample ID: 880-52553-19****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 22:29	CH	EET MID

Client Sample ID: CS-6 (1.0')**Lab Sample ID: 880-52553-20****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 06:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/27/24 00:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 22:54	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-52553-21

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 22:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 22:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:02	CH	EET MID

Client Sample ID: CS-8 (1.0')

Lab Sample ID: 880-52553-22

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:10	CH	EET MID

Client Sample ID: CS-9 (1.0')

Lab Sample ID: 880-52553-23

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:18	CH	EET MID

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-10 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:41	CH	EET MID

Client Sample ID: CS-11 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:47	CH	EET MID

Client Sample ID: CS-12 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:53	CH	EET MID

Client Sample ID: CS-13 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/21/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:59	CH	EET MID

Client Sample ID: CS-14 (2.5')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/21/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 01:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 01:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 17:05	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52553-1	SW-1 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-2	SW-2 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-3	SW-3 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-4	SW-4 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-5	SW-5 (1'-3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-6	SW-6 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-7	SW-7 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-8	SW-8 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-9	SW-9 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-10	SW-10 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-11	SW-11 (1'-2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-12	SW-12 (1'-2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-13	SW-13 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-14	SW-14 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-15	CS-1 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-16	CS-2 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-17	CS-3 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-18	CS-4 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-19	CS-5 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-20	CS-6 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-21	CS-7 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-22	CS-8 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-23	CS-9 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-24	CS-10 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-25	CS-11 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-26	CS-12 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-27	CS-13 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-28	CS-14 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42

Chain of Custody



880-52553 Chain of Custody

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marrenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

ANALYSIS REQUEST									
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around			Pres. Code	Parameters
					☐ Routine	☒ Rush	Due Date:		
Bonnie 35 Federal Com CTB	2030	Eddy Co. NM	CMM		☐ Routine	☒ Rush	48 Hrs		
SAMPLE RECEIPT Received Intact: Yes ☒ No ☐ Thermometer ID: 120 Cooler Custody Seals: Yes ☒ No ☐ Correction Factor: 0.1 Sample Custody Seals: Yes ☒ No ☐ Temperature Reading: -4.6 Total Containers: ☒ Corrected Temperature: -4.7									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont			
SW-1 (3.0')	12/20/2024		X		Comp 1	1	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-2 (3.0')	12/20/2024		X		Comp 1	1			
SW-3 (3.0')	12/20/2024		X		Comp 1	1			
SW-4 (3.0')	12/20/2024		X		Comp 1	1			
SW-5 (1'-3.0')	12/20/2024		X		Comp 1	1			
SW-6 (1.0')	12/20/2024		X		Comp 1	1			
SW-7 (1.0')	12/20/2024		X		Comp 1	1			
SW-8 (1.0')	12/20/2024		X		Comp 1	1			
SW-9 (1.0')	12/20/2024		X		Comp 1	1			
SW-10 (1.0')	12/20/2024		X		Comp 1	1			

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carla M. Mack...</i>	12-20-24	<i>[Signature]</i>	12/20/24

Chain of Custody

Work Order No: 553

Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

Work Order Comments	
Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ IRC ☐ Jperfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Bonnie 35 Federal Com CTB		Turn Around		Pres. Code						
Project Number:	2030		☐ Routine	☒ Rush						None: NO	DI Water: H ₂ O
Project Location	Eddy Co, NM		Due Date:	48 Hrs						Cool: Cool	MeOH: Me
Sampler's Name:	CMM									HCL: HC	HNO ₃ : HN
PO #:										H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT					Parameters		# of Cont				
Received Intact:	Temp Blank:	Yes	No	Wet Ice:	Yes	No					
Cooler Custody Seals:	Thermometer ID:	Yes	No	Correction Factor:							
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:							
Total Containers:	Yes	No	N/A	Corrected Temperature:							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					
SW-11 (1'-2.5')	12/20/2024		X		Comp	1					
SW-12 (1'-2.5')	12/20/2024		X		Comp	1					
SW-13 (2.5')	12/20/2024		X		Comp	1					
SW-14 (2.5')	12/20/2024		X		Comp	1					
CS-1 (3.0')	12/20/2024		X		Comp	1					
CS-2 (3.0')	12/20/2024		X		Comp	1					
CS-3 (3.0')	12/20/2024		X		Comp	1					
CS-4 (1.0')	12/20/2024		X		Comp	1					
CS-5 (1.0')	12/20/2024		X		Comp	1					
CS-6 (1.0')	12/20/2024		X		Comp	1					
							BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cade Woodbury</i>	12-20-24	<i>[Signature]</i>	

Chain of Custody

Work Order No: SS3Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfeld St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

ANALYSIS REQUEST										Preservative Codes																																																																							
Project Name:	Bonnie 35 Federal Com CTB		Turn Around		Pres. Code																																																																												
Project Number:	2030		☐ Routine	☒ Rush																																																																													
Project Location	Eddy Co, NM		Due Date:		48 Hrs																																																																												
Sampler's Name:	CMM																																																																																
PO #:																																																																																	
<table border="1"> <tr> <th colspan="2">SAMPLE RECEIPT</th> <th colspan="2">Temp Blank:</th> <th colspan="2">Yes</th> <th colspan="2">No</th> <th colspan="2">Wet Ice:</th> <th colspan="2">Yes</th> <th colspan="2">No</th> </tr> <tr> <td colspan="2">Received Intact:</td> <td colspan="2">Yes</td> <td colspan="2">No</td> <td colspan="2"></td> <td colspan="2">Thermometer ID:</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Cooler Custody Seals:</td> <td colspan="2">Yes</td> <td colspan="2">No</td> <td colspan="2">N/A</td> <td colspan="2">Correction Factor:</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Sample Custody Seals:</td> <td colspan="2">Yes</td> <td colspan="2">No</td> <td colspan="2">N/A</td> <td colspan="2">Temperature Reading:</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Total Containers:</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">Corrected Temperature:</td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>												SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No		Received Intact:		Yes		No				Thermometer ID:						Cooler Custody Seals:		Yes		No		N/A		Correction Factor:						Sample Custody Seals:		Yes		No		N/A		Temperature Reading:						Total Containers:								Corrected Temperature:					
SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No																																																																					
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Sample Custody Seals:		Yes		No		N/A		Temperature Reading:																																																																									
Total Containers:								Corrected Temperature:																																																																									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0																																																																						
CS-7 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-8 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-9 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-10 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-11 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-12 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-13 (1.0')	12/20/2024		X		Comp	1	X	X	X																																																																								
CS-14 (2.5')	12/20/2024		X		Comp	1	X	X	X																																																																								

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carla Munday</i>	12-20-24	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52553-1

SDG Number: Eddy Co, NM

Login Number: 52553

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/18/2024 1:53:56 PM

JOB DESCRIPTION

Bonnie 35 Federal Com CTB
Eddy Co., NM

JOB NUMBER

880-52232-1

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
12/18/2024 1:53:56 PM

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

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Laboratory Job ID: 880-52232-1
SDG: Eddy Co., NM

Table of Contents

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1

Job ID: 880-52232-1

Eurofins Midland

Job Narrative 880-52232-1

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

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

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

Receipt

The sample was received on 12/13/2024 4:51 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Fred Beard Backfill (880-52232-1).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-97951 and analytical batch 880-97910 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-97706 and analytical batch 880-97954 was outside the control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97706 and analytical batch 880-97954 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Client Sample ID: Fred Beard Backfill

Lab Sample ID: 880-52232-1

Date Collected: 12/13/24 00:00

Matrix: Solid

Date Received: 12/13/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Toluene	<0.00199	U **	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/24 11:13	12/17/24 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/16/24 11:13	12/17/24 01:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/16/24 11:13	12/17/24 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/17/24 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/24 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	12/12/24 09:47	12/16/24 19:52	1
o-Terphenyl	73		70 - 130	12/12/24 09:47	12/16/24 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		9.92		mg/Kg			12/17/24 15:28	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-52232-1	Fred Beard Backfill	84	94
880-52233-A-21-E MS	Matrix Spike	90	107
880-52233-A-21-F MSD	Matrix Spike Duplicate	92	107
LCS 880-97951/1-A	Lab Control Sample	116	111
LCSD 880-97951/2-A	Lab Control Sample Dup	104	91
MB 880-97927/5-A	Method Blank	77	90
MB 880-97951/5-A	Method Blank	79	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52124-A-26-B MS	Matrix Spike	93	74
880-52124-A-26-C MSD	Matrix Spike Duplicate	94	75
880-52232-1	Fred Beard Backfill	83	73
LCS 880-97706/2-A	Lab Control Sample	122	99
LCSD 880-97706/3-A	Lab Control Sample Dup	116	93
MB 880-97706/1-A	Method Blank	70	63 S1-
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97927/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97910							Prep Batch: 97927		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				12/16/24 10:00	12/16/24 11:49	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/16/24 10:00	12/16/24 11:49	1

Lab Sample ID: MB 880-97951/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97910							Prep Batch: 97951		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				12/16/24 11:13	12/16/24 22:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/16/24 11:13	12/16/24 22:28	1

Lab Sample ID: LCS 880-97951/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97910							Prep Batch: 97951		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1208		mg/Kg		121	70 - 130		
Toluene	0.100	0.1151		mg/Kg		115	70 - 130		
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene	0.200	0.2614	*+	mg/Kg		131	70 - 130		
o-Xylene	0.100	0.1270		mg/Kg		127	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	116		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: LCSD 880-97951/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 97910							Prep Batch: 97951		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1233		mg/Kg		123	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-97951/2-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.1337	*+	mg/Kg		134	70 - 130		15	35
Ethylbenzene	0.100	0.1341	*+	mg/Kg		134	70 - 130		16	35
m-Xylene & p-Xylene	0.200	0.2597		mg/Kg		130	70 - 130		1	35
o-Xylene	0.100	0.1264		mg/Kg		126	70 - 130		0	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-52233-A-21-E MS

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00199	U	0.0996	0.08448		mg/Kg		85	70 - 130	
Toluene	<0.00199	U *	0.0996	0.09135		mg/Kg		92	70 - 130	
Ethylbenzene	<0.00199	U *	0.0996	0.08503		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00398	U *	0.199	0.1668		mg/Kg		84	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.08478		mg/Kg		85	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-52233-A-21-F MSD

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00199	U	0.101	0.08471		mg/Kg		84	70 - 130		0	35
Toluene	<0.00199	U *	0.101	0.09117		mg/Kg		90	70 - 130		0	35
Ethylbenzene	<0.00199	U *	0.101	0.08598		mg/Kg		85	70 - 130		1	35
m-Xylene & p-Xylene	<0.00398	U *	0.202	0.1677		mg/Kg		83	70 - 130		1	35
o-Xylene	<0.00199	U	0.101	0.08454		mg/Kg		84	70 - 130		0	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-97706/1-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97706

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-97706/1-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97706

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	70		70 - 130				12/12/24 09:47	12/16/24 10:10	1
o-Terphenyl	63	S1-	70 - 130				12/12/24 09:47	12/16/24 10:10	1

Lab Sample ID: LCS 880-97706/2-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1209		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	943.1		mg/Kg		94	70 - 130		
Surrogate	LCS	LCS	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: LCSD 880-97706/3-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	893.0		mg/Kg		89	70 - 130	5	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: 880-52124-A-26-B MS

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	901.4		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	634.5	F1	mg/Kg		64	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	93		70 - 130								
o-Terphenyl	74		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-52124-A-26-C MSD

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	843.3		mg/Kg		85	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	644.9	F1	mg/Kg		65	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	75		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97922/1-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/17/24 15:09	1

Lab Sample ID: LCS 880-97922/2-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-97922/3-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-52232-1 MS

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Fred Beard Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180		248	423.5		mg/Kg		98	90 - 110

Lab Sample ID: 880-52232-1 MSD

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Fred Beard Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180		248	422.2		mg/Kg		97	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

GC VOA

Analysis Batch: 97910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8021B	97951
MB 880-97927/5-A	Method Blank	Total/NA	Solid	8021B	97927
MB 880-97951/5-A	Method Blank	Total/NA	Solid	8021B	97951
LCS 880-97951/1-A	Lab Control Sample	Total/NA	Solid	8021B	97951
LCSD 880-97951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97951
880-52233-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	97951
880-52233-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	97951

Prep Batch: 97927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-97927/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 97951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	5035	
MB 880-97951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52233-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
880-52233-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015NM Prep	
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52124-A-26-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52124-A-26-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015B NM	97706
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015B NM	97706
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97706
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97706
880-52124-A-26-B MS	Matrix Spike	Total/NA	Solid	8015B NM	97706
880-52124-A-26-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97706

Analysis Batch: 98062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

HPLC/IC

Leach Batch: 97922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Soluble	Solid	DI Leach	
MB 880-97922/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97922/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97922/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52232-1 MS	Fred Beard Backfill	Soluble	Solid	DI Leach	
880-52232-1 MSD	Fred Beard Backfill	Soluble	Solid	DI Leach	

Analysis Batch: 97946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Soluble	Solid	300.0	97922
MB 880-97922/1-A	Method Blank	Soluble	Solid	300.0	97922
LCS 880-97922/2-A	Lab Control Sample	Soluble	Solid	300.0	97922
LCSD 880-97922/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97922
880-52232-1 MS	Fred Beard Backfill	Soluble	Solid	300.0	97922
880-52232-1 MSD	Fred Beard Backfill	Soluble	Solid	300.0	97922

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Client Sample ID: Fred Beard Backfill
Date Collected: 12/13/24 00:00
Date Received: 12/13/24 16:51

Lab Sample ID: 880-52232-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	97951	12/16/24 11:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97910	12/17/24 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98023	12/17/24 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			98062	12/16/24 19:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97706	12/12/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97954	12/16/24 19:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	97922	12/16/24 09:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97946	12/17/24 15:28	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52232-1	Fred Beard Backfill	Solid	12/13/24 00:00	12/13/24 16:51

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



880-52232 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Cele Mauding	12-13-24	Edy Arnold Lee	12/17/24 16:35

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52232-1

SDG Number: Eddy Co., NM

Login Number: 52232

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

APPENDIX F

CARMONA RESOURCES



talonlpe.com • 866.742.0742



Work Plan

Cimarex Energy Co.: Bonnie 35 Federal Com #1
[30-015-42956|2RP-3519]

March 24, 2016

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

Prepared For:

Cimarex Energy Company

Ms. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**
Cimarex Energy Co.
Bonnie 35 Fe Com #1 (30-15-42956) *2RP-3519*

Dear Mr. Bratcher,

Cimarex Energy Company (Cimarex) has contracted Talon/LPE (Talon) to perform soil sampling and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Site Information

The Cimarex Bonnie 35 Fed Com #1 is located approximately thirty-three (33) miles south of Carlsbad, New Mexico. The legal location for this facility is Unit Letter P, Section 35, Township 25 South and Range 26 East in Eddy County, New Mexico. More specifically the latitude and longitude are 32.07943 North and -104.26348 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reeves-gypsum land complex with 0 to 3 percent slopes. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

According to the New Mexico Office of the State Engineer database, the ground water in this area is approximately 31-feet below ground surface (BGS). Therefore the ranking for this site is a **20** based on the following:

Depth to ground water	<50'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 100 mg/kg for TPH and 1,000 mg/kg for total chlorides.

Incident Description and Initial Remedial Actions

On January 25, 2016 a hammer union on a water transfer line vibrated loose resulting in the release of approximately 20bbls of produced water. A vacuum truck was dispatched to the site to recover the standing fluid. Approximately 5bbls of produced water were recovered. On March 16, 2016 Talon mobilized personnel to conduct a site assessment and soil sampling within the impacted area utilizing a hand auger. Refusal was encountered at depths between 1 and 2-feet BGS. The results of our soil sampling event are summarized in the table below.

Laboratory Results

See [Appendix IV](#) for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	ND	56000	ND	14.1
S-1 Refusal	1	--	288	--	--
S-2	0	ND	13800	ND	11.8
S-2	1	--	1550	--	--
S-2 Refusal	2	--	496	--	--
S-3	0	ND	9600	ND	ND
S-3	1	--	416	--	--
S-3 Refusal	1.5	--	1310	--	--

(--) Analyte Not Tested

(ND) Analyte Not Detected

Conclusions and Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-1 will be excavated to a depth of 1-foot BGS.
- The impacted area in the vicinity of sample locations S-2 and S-3 will be excavated to a depth of 2-feet BGS.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE


Sheldon L. Hitchcock
Project Manager

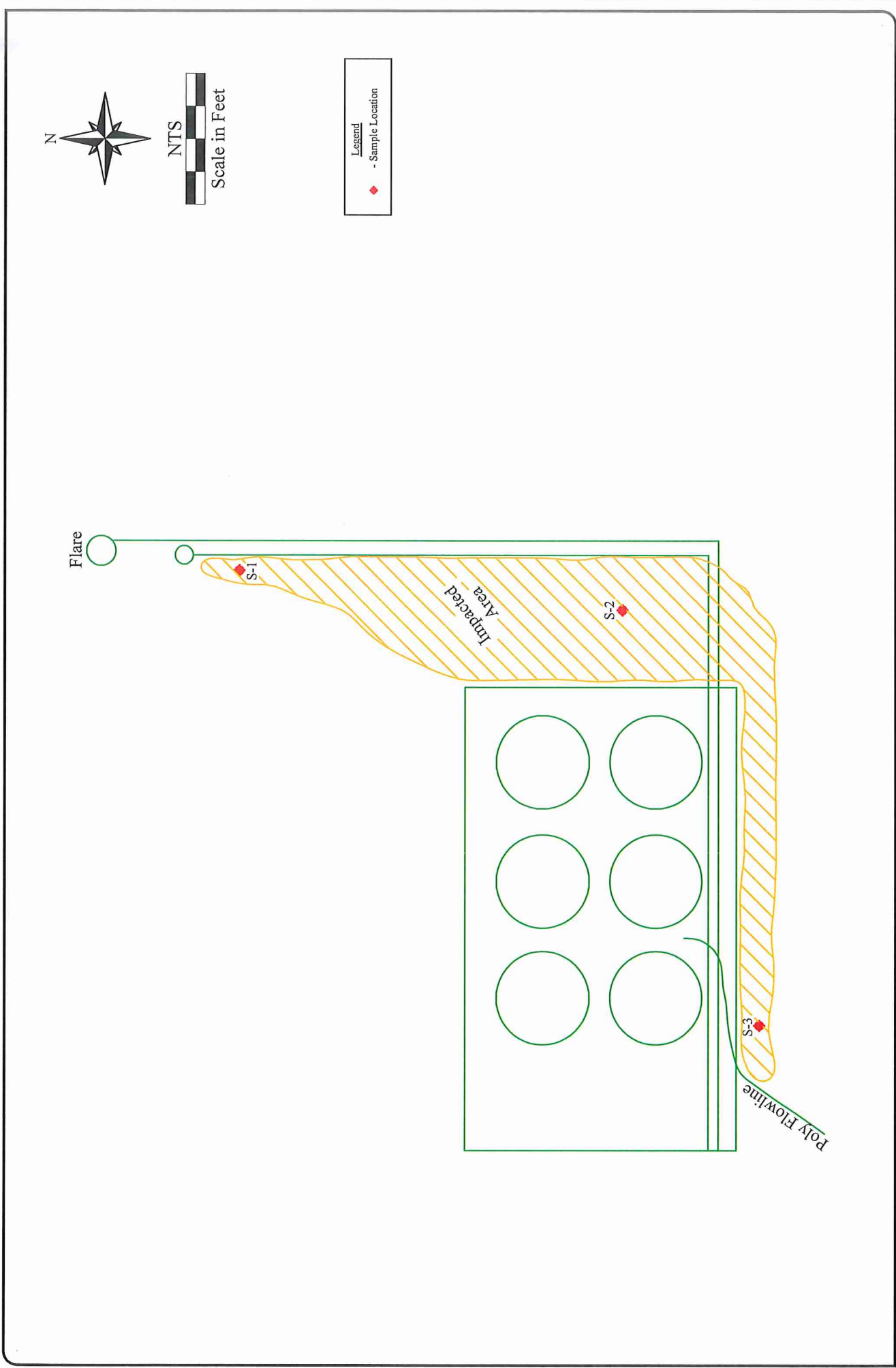

David J. Adkins
District Manager

Attachments

Appendix I Site Plan
Appendix II Groundwater Data
Appendix III Initial C-141
Appendix IV Laboratory Results

APPENDIX I

SITE PLAN



	Bonnie 35 Fed #1 Cimarex Energy Eddy County, New Mexico Figure 1 - Site Plan	
	Date: 03/23/2016	Scale: NTS Drawn By: TJS

APPENDIX II

GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01013	C	ED		4	25	25S	26E			571505	3551456*	2307	245		
C 02221	CUB	ED		4	3	2	25	25S	26E	571412	3551961*	2676	35		
C 02220	CUB	ED		3	1	2	26	25S	26E	569598	3552352*	2760	35		
C 02438		ED		4	2	3	12	26S	26E	571015	3546705*	3073	30		
C 03655 POD3	CUB	ED		1	4	4	22	25S	26E	568458	3553019	3756			
C 02218	CUB	ED		4	1	4	07	26S	27E	573039	3546725*	4144	35		
C 03654 POD1	CUB	ED		2	3	1	24	25S	26E	570654	3553773	4176			
C 02439		ED		2	4	2	15	26S	26E	568614	3545697*	4204	30		
C 01887	C	ED		4	4	2	15	26S	26E	568614	3545497*	4392	53	31	22

Average Depth to Water: 31 feet

Minimum Depth: 31 feet

Maximum Depth: 31 feet

Record Count: 9

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 570088

Northing (Y): 3549635

Radius: 5000

*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.

APPENDIX III

INITIAL C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 26 2016

Form C-141
Revised August 8, 2011

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

State of New Mexico
Energy Minerals and Natural Resources

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

Submit 1 Copy to appropriate District Office in
conformance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1602733517

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Cimarex Energy <i>315099</i>	Contact: Gloria Garza
Address: 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-234-3204
Facility Name: Bonnie 35 Federal Com	Facility Type: Tank Battery
Surface Owner: Federal	Mineral Owner
API No.: 30-015-42956	

LOCATION OF RELEASE

Unit Letter P	Section 35	Township 25S	Range 26E	Feet from the 200	North/South Line FSL	Feet from the 970	East/West Line FEL	County Eddy
------------------	---------------	-----------------	--------------	----------------------	-------------------------	----------------------	-----------------------	----------------

Latitude: 32.0795801765834 _ Longitude: -104.258295270376 _

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 20 BBL/S	Volume Recovered: 5 BBL/S
Source of Release: Water transfer line	Date and Hour of Occurrence: 1/25/2015	Date and Hour of Discovery: 1/25/2016 2:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/Jeff Robertson	
By Whom? Gloria Garza	Date and Hour: 1/26/2015 9:00 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A hammer union on the water transfer line came loose due to vibration from pressure.		
Describe Area Affected and Cleanup Action Taken.* Diversified Environmental Services will remediate the impacted soil.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: <i>Gloria Garza</i>	OIL CONSERVATION DIVISION	
Printed Name: Gloria Garza	Signed By <i>Mike Bratcher</i> Approved by Environmental Specialist:	
Title: ESH Tech	Approval Date: <i>1/27/16</i>	Expiration Date: <i>NA</i>
E-mail Address: ggarza@cimarex.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines ☐ Marked ☐	
Date: 1/26/16 Phone: 432-234-3204	SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <i>2/27/16</i>	

* Attach Additional Sheets If Necessary

2RP-3519

APPENDIX IV

LABORATORY RESULTS



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 22, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BONNIE 35 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/17/16 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/17/2016
Reported: 03/22/2016
Project Name: BONNIE 35 FED #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/16/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-1 0' (H600587-01)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	56000	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	14.1	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 92.2 % 35-147

Surrogate: 1-Chlorooctadecane 88.5 % 28-171

Sample ID: S-1 1' REFUSAL (H600587-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/18/2016	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/17/2016
Reported: 03/22/2016
Project Name: BONNIE 35 FED #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/16/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 0' (H600587-03)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	11.8	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 95.4 % 28-171

Sample ID: S-2 1' (H600587-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	03/18/2016	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/17/2016
Reported: 03/22/2016
Project Name: BONNIE 35 FED #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/16/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 2' REFUSAL (H600587-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/18/2016	ND	432	108	400	0.00	

Sample ID: S-3 0' (H600587-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2016	ND	2.17	109	2.00	8.02	
Toluene*	<0.050	0.050	03/21/2016	ND	2.09	104	2.00	8.09	
Ethylbenzene*	<0.050	0.050	03/21/2016	ND	1.87	93.6	2.00	9.35	
Total Xylenes*	<0.150	0.150	03/21/2016	ND	5.76	96.0	6.00	8.33	
Total BTEX	<0.300	0.300	03/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	03/18/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2016	ND	177	88.7	200	0.503	
DRO >C10-C28	<10.0	10.0	03/18/2016	ND	178	89.2	200	0.477	

Surrogate: 1-Chlorooctane 93.8 % 35-147

Surrogate: 1-Chlorooctadecane 91.9 % 28-171

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/17/2016	Sampling Date:	03/16/2016
Reported:	03/22/2016	Sampling Type:	Soil
Project Name:	BONNIE 35 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1' (H600587-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/18/2016	ND	432	108	400	0.00	

Sample ID: S-3 1.5' REFUSAL (H600587-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	03/18/2016	ND	432	108	400	0.00	

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Notes and Definitions

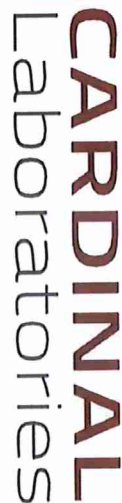
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Page 7 of 7

ANALYSIS REQUEST

P.O. #: Cimarron

Company: ~~TATON~~ TATON

Attn: Max P-Fair

Address: _____
City: _____

State: Zip:

Phone #: 575-725-7615

Fax #: _____
PRESEBY _____ CAMPING _____

MATRIX	PRESERV.	SAMPLING

OR (C)OMP.
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deemed waived unless made in writing and received by Cardinal without limitation, business interruptions, loss of use, or loss of

Received By: 11

Modi Romas

Received By:

1

Sample Condition	CHED
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COOL	illat	☒ Yes	☒ Yes
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+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Released to Imaging: 1/21/2025 9:28:02 AM



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/27/2024 3:44:00 PM

JOB DESCRIPTION

Bonnie 35 Federal Com CTB
Eddy Co, NM

JOB NUMBER

880-52553-1

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
12/27/2024 3:44:00 PM

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

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Laboratory Job ID: 880-52553-1
SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	28
QC Sample Results	30
QC Association Summary	38
Lab Chronicle	45
Certification Summary	54
Method Summary	55
Sample Summary	56
Chain of Custody	57
Receipt Checklists	60

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1

Job ID: 880-52553-1

Eurofins Midland

Job Narrative
880-52553-1

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

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

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

Receipt

The samples were received on 12/20/2024 1:42 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 -4.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (3.0') (880-52553-1), SW-2 (3.0') (880-52553-2), SW-3 (3.0') (880-52553-3), SW-4 (3.0') (880-52553-4), SW-5 (1'-3.0') (880-52553-5), SW-6 (1.0') (880-52553-6), SW-7 (1.0') (880-52553-7), SW-8 (1.0') (880-52553-8), SW-9 (1.0') (880-52553-9), SW-10 (1.0') (880-52553-10), SW-11 (1'-2.5') (880-52553-11), SW-12 (1'-2.5') (880-52553-12), SW-13 (2.5') (880-52553-13), SW-14 (2.5') (880-52553-14), CS-1 (3.0') (880-52553-15), CS-2 (3.0') (880-52553-16), CS-3 (3.0') (880-52553-17), CS-4 (1.0') (880-52553-18), CS-5 (1.0') (880-52553-19), CS-6 (1.0') (880-52553-20), CS-7 (1.0') (880-52553-21), CS-8 (1.0') (880-52553-22), CS-9 (1.0') (880-52553-23), CS-10 (1.0') (880-52553-24), CS-11 (1.0') (880-52553-25), CS-12 (1.0') (880-52553-26), CS-13 (1.0') (880-52553-27) and CS-14 (2.5') (880-52553-28).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-2 (3.0') (880-52553-2) and SW-8 (1.0') (880-52553-8). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-98766 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-98766/5).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-98766 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-98766/20).

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3.0')

Lab Sample ID: 880-52553-1

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/20/24 14:47	12/20/24 22:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 22:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	12/23/24 10:52	12/26/24 21:25	1
o-Terphenyl	118		70 - 130	12/23/24 10:52	12/26/24 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.6		9.94		mg/Kg			12/21/24 04:03	1

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-52553-2

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/20/24 22:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/20/24 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/20/24 14:47	12/20/24 22:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 22:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-52553-2

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				12/23/24 10:52	12/26/24 22:27	1
o-Terphenyl	132	S1+	70 - 130				12/23/24 10:52	12/26/24 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.96		mg/Kg			12/21/24 04:09	1

Client Sample ID: SW-3 (3.0')

Lab Sample ID: 880-52553-3

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/20/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/20/24 14:47	12/20/24 23:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/20/24 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3.0')

Lab Sample ID: 880-52553-3

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/23/24 10:52	12/26/24 22:47	1
o-Terphenyl	121		70 - 130				12/23/24 10:52	12/26/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.98		mg/Kg			12/21/24 04:15	1

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-52553-4

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/20/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/20/24 23:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 14:47	12/20/24 23:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				12/23/24 10:52	12/26/24 23:08	1
o-Terphenyl	128		70 - 130				12/23/24 10:52	12/26/24 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.0		mg/Kg			12/21/24 04:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (1'-3.0')

Lab Sample ID: 880-52553-5

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 23:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/20/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 23:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/20/24 23:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/24 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/26/24 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/23/24 10:52	12/26/24 23:28	1
o-Terphenyl	117		70 - 130	12/23/24 10:52	12/26/24 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358		10.0		mg/Kg			12/21/24 04:38	1

Client Sample ID: SW-6 (1.0')

Lab Sample ID: 880-52553-6

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 00:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/20/24 14:47	12/21/24 00:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:47	12/21/24 00:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (1.0')

Lab Sample ID: 880-52553-6

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/21/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/23/24 10:52	12/26/24 23:48	1
o-Terphenyl	111		70 - 130				12/23/24 10:52	12/26/24 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		10.0		mg/Kg			12/21/24 04:44	1

Client Sample ID: SW-7 (1.0')

Lab Sample ID: 880-52553-7

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 00:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/27/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (1.0')

Lab Sample ID: 880-52553-7

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/23/24 10:52	12/27/24 00:09	1
o-Terphenyl	125		70 - 130				12/23/24 10:52	12/27/24 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		10.0		mg/Kg			12/21/24 04:50	1

Client Sample ID: SW-8 (1.0')

Lab Sample ID: 880-52553-8

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 00:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 00:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/27/24 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/27/24 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				12/23/24 10:52	12/27/24 00:30	1
o-Terphenyl	135	S1+	70 - 130				12/23/24 10:52	12/27/24 00:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		10.1		mg/Kg			12/21/24 04:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (1.0')

Lab Sample ID: 880-52553-9

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 01:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/20/24 14:47	12/21/24 01:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/20/24 14:47	12/21/24 01:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.1		49.9		mg/Kg			12/26/24 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Oil Range Organics (Over C28-C36)	57.1		49.9		mg/Kg		12/23/24 10:52	12/26/24 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/23/24 10:52	12/26/24 20:23	1
o-Terphenyl	115		70 - 130	12/23/24 10:52	12/26/24 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		9.96		mg/Kg			12/21/24 05:02	1

Client Sample ID: SW-10 (1.0')

Lab Sample ID: 880-52553-10

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 01:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/20/24 14:47	12/21/24 01:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/20/24 14:47	12/21/24 01:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-10 (1.0')

Lab Sample ID: 880-52553-10

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.3		49.9		mg/Kg			12/26/24 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Oil Range Organics (Over C28-C36)	54.3		49.9		mg/Kg		12/23/24 10:52	12/26/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/23/24 10:52	12/26/24 20:44	1
o-Terphenyl	110		70 - 130				12/23/24 10:52	12/26/24 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		9.96		mg/Kg			12/21/24 05:20	1

Client Sample ID: SW-11 (1'-2.5')

Lab Sample ID: 880-52553-11

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:47	12/21/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/20/24 14:47	12/21/24 03:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 14:47	12/21/24 03:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/21/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.2		49.8		mg/Kg			12/26/24 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (1'-2.5')

Lab Sample ID: 880-52553-11

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1
Oil Range Organics (Over C28-C36)	55.2		49.8		mg/Kg		12/23/24 10:52	12/26/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/23/24 10:52	12/26/24 21:05	1
o-Terphenyl	111		70 - 130				12/23/24 10:52	12/26/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.94		mg/Kg			12/21/24 05:26	1

Client Sample ID: SW-12 (1'-2.5')

Lab Sample ID: 880-52553-12

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:47	12/21/24 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/20/24 14:47	12/21/24 03:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 03:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 03:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.4		50.0		mg/Kg			12/26/24 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Oil Range Organics (Over C28-C36)	52.4		50.0		mg/Kg		12/23/24 10:52	12/26/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/23/24 10:52	12/26/24 21:25	1
o-Terphenyl	118		70 - 130				12/23/24 10:52	12/26/24 21:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-12 (1'-2.5')

Lab Sample ID: 880-52553-12

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		9.90		mg/Kg			12/21/24 05:43	1

Client Sample ID: SW-13 (2.5')

Lab Sample ID: 880-52553-13

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 03:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/20/24 14:47	12/21/24 03:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.8		49.7		mg/Kg			12/26/24 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1
Oil Range Organics (Over C28-C36)	52.8		49.7		mg/Kg		12/23/24 10:52	12/26/24 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	12/23/24 10:52	12/26/24 21:45	1
o-Terphenyl	121		70 - 130	12/23/24 10:52	12/26/24 21:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.0		mg/Kg			12/21/24 05:49	1

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-52553-14

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2.5')

Lab Sample ID: 880-52553-14

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/20/24 14:47	12/21/24 04:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 04:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		49.8		mg/Kg			12/26/24 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Oil Range Organics (Over C28-C36)	50.5		49.8		mg/Kg		12/23/24 10:52	12/26/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/23/24 10:52	12/26/24 22:05	1
o-Terphenyl	122		70 - 130				12/23/24 10:52	12/26/24 22:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		10.0		mg/Kg			12/21/24 05:55	1

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-52553-15

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 04:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 04:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-52553-15

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9		mg/Kg			12/26/24 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Oil Range Organics (Over C28-C36)	49.9		49.9		mg/Kg		12/23/24 10:52	12/26/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				12/23/24 10:52	12/26/24 22:27	1
o-Terphenyl	99		70 - 130				12/23/24 10:52	12/26/24 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		10.1		mg/Kg			12/21/24 06:01	1

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-52553-16

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/20/24 14:47	12/21/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				12/20/24 14:47	12/21/24 04:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/20/24 14:47	12/21/24 04:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/21/24 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0		mg/Kg			12/26/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1
Oil Range Organics (Over C28-C36)	50.3		50.0		mg/Kg		12/23/24 10:52	12/26/24 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-52553-16

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/23/24 10:52	12/26/24 22:47	1
o-Terphenyl	114		70 - 130	12/23/24 10:52	12/26/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.98		mg/Kg			12/21/24 06:07	1

Client Sample ID: CS-3 (3.0')

Lab Sample ID: 880-52553-17

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:47	12/21/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 05:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/20/24 14:47	12/21/24 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/24 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.0		49.9		mg/Kg			12/26/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Oil Range Organics (Over C28-C36)	51.0		49.9		mg/Kg		12/23/24 10:52	12/26/24 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/23/24 10:52	12/26/24 23:08	1
o-Terphenyl	120		70 - 130				12/23/24 10:52	12/26/24 23:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		9.98		mg/Kg			12/21/24 07:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (1.0')

Lab Sample ID: 880-52553-18

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:47	12/21/24 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:47	12/21/24 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/20/24 14:47	12/21/24 05:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/24 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/26/24 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/23/24 10:52	12/26/24 23:28	1
o-Terphenyl	127		70 - 130	12/23/24 10:52	12/26/24 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.90		mg/Kg			12/21/24 06:14	1

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-52553-19

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:47	12/21/24 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:47	12/21/24 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/20/24 14:47	12/21/24 05:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/20/24 14:47	12/21/24 05:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (1.0')

Lab Sample ID: 880-52553-19

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0		49.8		mg/Kg			12/26/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Oil Range Organics (Over C28-C36)	50.0		49.8		mg/Kg		12/23/24 10:52	12/26/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/23/24 10:52	12/26/24 23:48	1
o-Terphenyl	105		70 - 130				12/23/24 10:52	12/26/24 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.98		mg/Kg			12/21/24 22:29	1

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-52553-20

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/21/24 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 14:47	12/21/24 06:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/20/24 14:47	12/21/24 06:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/21/24 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/27/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (1.0')

Lab Sample ID: 880-52553-20

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/27/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/23/24 10:52	12/27/24 00:09	1
o-Terphenyl	107		70 - 130				12/23/24 10:52	12/27/24 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		9.92		mg/Kg			12/21/24 22:54	1

Client Sample ID: CS-7 (1.0')

Lab Sample ID: 880-52553-21

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/20/24 14:51	12/20/24 22:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/20/24 14:51	12/20/24 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/24 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/23/24 15:07	12/23/24 22:13	1
o-Terphenyl	100		70 - 130				12/23/24 15:07	12/23/24 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		10.1		mg/Kg			12/21/24 23:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-8 (1.0')

Lab Sample ID: 880-52553-22

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 22:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/20/24 14:51	12/20/24 22:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/20/24 14:51	12/20/24 22:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/23/24 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/23/24 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	12/23/24 15:07	12/23/24 23:14	1
o-Terphenyl	96		70 - 130	12/23/24 15:07	12/23/24 23:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.96		mg/Kg			12/21/24 23:10	1

Client Sample ID: CS-9 (1.0')

Lab Sample ID: 880-52553-23

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 22:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/20/24 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/20/24 14:51	12/20/24 22:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/24 14:51	12/20/24 22:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (1.0')

Lab Sample ID: 880-52553-23

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/23/24 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/23/24 15:07	12/23/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/23/24 15:07	12/23/24 23:35	1
o-Terphenyl	87		70 - 130				12/23/24 15:07	12/23/24 23:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.1		9.96		mg/Kg			12/21/24 23:18	1

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 14:51	12/20/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/20/24 14:51	12/20/24 23:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/20/24 14:51	12/20/24 23:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/24 23:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/23/24 15:07	12/23/24 23:56	1
o-Terphenyl	90		70 - 130				12/23/24 15:07	12/23/24 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		9.92		mg/Kg			12/22/24 16:41	1

Client Sample ID: CS-11 (1.0')

Lab Sample ID: 880-52553-25

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/20/24 14:51	12/20/24 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/20/24 14:51	12/20/24 23:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/20/24 14:51	12/20/24 23:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/24 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/24/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/23/24 15:07	12/24/24 00:16	1
o-Terphenyl	107		70 - 130				12/23/24 15:07	12/24/24 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		10.1		mg/Kg			12/22/24 16:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-12 (1.0')

Lab Sample ID: 880-52553-26

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 14:51	12/20/24 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 14:51	12/20/24 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/20/24 14:51	12/20/24 23:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/20/24 14:51	12/20/24 23:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/20/24 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/24/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/23/24 15:07	12/24/24 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/23/24 15:07	12/24/24 00:36	1
o-Terphenyl	99		70 - 130	12/23/24 15:07	12/24/24 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.94		mg/Kg			12/22/24 16:53	1

Client Sample ID: CS-13 (1.0')

Lab Sample ID: 880-52553-27

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/20/24 14:51	12/21/24 00:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/20/24 14:51	12/21/24 00:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/20/24 14:51	12/21/24 00:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/20/24 14:51	12/21/24 00:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (1.0')

Lab Sample ID: 880-52553-27

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/24/24 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/23/24 15:07	12/24/24 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/23/24 15:07	12/24/24 00:57	1
o-Terphenyl	98		70 - 130				12/23/24 15:07	12/24/24 00:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		9.98		mg/Kg			12/22/24 16:59	1

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-52553-28

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 14:51	12/21/24 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				12/20/24 14:51	12/21/24 00:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/20/24 14:51	12/21/24 00:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/24/24 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (2.5')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-28
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/24/24 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/23/24 15:07	12/24/24 01:18	1
o-Terphenyl	91		70 - 130				12/23/24 15:07	12/24/24 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		9.96		mg/Kg			12/22/24 17:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-52553-1	SW-1 (3.0')	96	97
880-52553-1 MS	SW-1 (3.0')	110	98
880-52553-1 MSD	SW-1 (3.0')	93	101
880-52553-2	SW-2 (3.0')	100	97
880-52553-3	SW-3 (3.0')	101	99
880-52553-4	SW-4 (3.0')	98	97
880-52553-5	SW-5 (1'-3.0')	97	97
880-52553-6	SW-6 (1.0')	108	97
880-52553-7	SW-7 (1.0')	96	99
880-52553-8	SW-8 (1.0')	98	99
880-52553-9	SW-9 (1.0')	103	99
880-52553-10	SW-10 (1.0')	95	101
880-52553-11	SW-11 (1'-2.5')	101	97
880-52553-12	SW-12 (1'-2.5')	104	99
880-52553-13	SW-13 (2.5')	92	98
880-52553-14	SW-14 (2.5')	108	98
880-52553-15	CS-1 (3.0')	96	99
880-52553-16	CS-2 (3.0')	103	100
880-52553-17	CS-3 (3.0')	99	98
880-52553-18	CS-4 (1.0')	106	98
880-52553-19	CS-5 (1.0')	103	98
880-52553-20	CS-6 (1.0')	96	99
880-52553-21	CS-7 (1.0')	123	96
880-52553-21 MS	CS-7 (1.0')	106	97
880-52553-21 MSD	CS-7 (1.0')	105	97
880-52553-22	CS-8 (1.0')	124	97
880-52553-23	CS-9 (1.0')	124	95
880-52553-24	CS-10 (1.0')	122	96
880-52553-25	CS-11 (1.0')	111	91
880-52553-26	CS-12 (1.0')	123	95
880-52553-27	CS-13 (1.0')	122	96
880-52553-28	CS-14 (2.5')	125	95
LCS 880-98494/1-A	Lab Control Sample	99	99
LCS 880-98495/1-A	Lab Control Sample	103	100
LCSD 880-98494/2-A	Lab Control Sample Dup	111	98
LCSD 880-98495/2-A	Lab Control Sample Dup	99	98
MB 880-98432/5-A	Method Blank	112	85
MB 880-98435/5-A	Method Blank	92	93
MB 880-98494/5-A	Method Blank	95	93
MB 880-98495/5-A	Method Blank	118	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52553-1	SW-1 (3.0')	116	118
880-52553-1 MS	SW-1 (3.0')	102	97
880-52553-1 MSD	SW-1 (3.0')	110	97
880-52553-2	SW-2 (3.0')	127	132 S1+
880-52553-3	SW-3 (3.0')	120	121
880-52553-4	SW-4 (3.0')	126	128
880-52553-5	SW-5 (1'-3.0')	115	117
880-52553-6	SW-6 (1.0')	112	111
880-52553-7	SW-7 (1.0')	121	125
880-52553-8	SW-8 (1.0')	129	135 S1+
880-52553-9	SW-9 (1.0')	97	115
880-52553-10	SW-10 (1.0')	98	110
880-52553-11	SW-11 (1'-2.5')	97	111
880-52553-12	SW-12 (1'-2.5')	100	118
880-52553-13	SW-13 (2.5')	103	121
880-52553-14	SW-14 (2.5')	108	122
880-52553-15	CS-1 (3.0')	84	99
880-52553-16	CS-2 (3.0')	99	114
880-52553-17	CS-3 (3.0')	103	120
880-52553-18	CS-4 (1.0')	111	127
880-52553-19	CS-5 (1.0')	92	105
880-52553-20	CS-6 (1.0')	93	107
880-52553-21	CS-7 (1.0')	96	100
880-52553-21 MS	CS-7 (1.0')	94	85
880-52553-21 MSD	CS-7 (1.0')	95	85
880-52553-22	CS-8 (1.0')	100	96
880-52553-23	CS-9 (1.0')	85	87
880-52553-24	CS-10 (1.0')	86	90
880-52553-25	CS-11 (1.0')	99	107
880-52553-26	CS-12 (1.0')	95	99
880-52553-27	CS-13 (1.0')	93	98
880-52553-28	CS-14 (2.5')	89	91
LCS 880-98643/2-A	Lab Control Sample	102	104
LCS 880-98722/2-A	Lab Control Sample	96	96
LCSD 880-98643/3-A	Lab Control Sample Dup	114	111
LCSD 880-98722/3-A	Lab Control Sample Dup	113	108
MB 880-98643/1-A	Method Blank	105	110
MB 880-98722/1-A	Method Blank	89	95

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-98432/5-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:24	12/20/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:24	12/20/24 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/20/24 08:24	12/20/24 11:08	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/20/24 08:24	12/20/24 11:08	1

Lab Sample ID: MB 880-98435/5-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/20/24 08:33	12/20/24 11:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 08:33	12/20/24 11:07	1

Lab Sample ID: MB 880-98494/5-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:47	12/20/24 22:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:47	12/20/24 22:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/20/24 14:47	12/20/24 22:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/20/24 14:47	12/20/24 22:07	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-98494/1-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1193		mg/Kg		119	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2083		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130

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

Lab Sample ID: LCSD 880-98494/2-A

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1184		mg/Kg		118	70 - 130	1	35
Toluene	0.100	0.1129		mg/Kg		113	70 - 130	2	35
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2065		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1162		mg/Kg		116	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-1 MS

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1080		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.1063		mg/Kg		107	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1955		mg/Kg		98	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1081		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1122		mg/Kg		111	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.1088		mg/Kg		108	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.1047		mg/Kg		104	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98353

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2021		mg/Kg		100	70 - 130	3	35
o-Xylene	<0.00199	U	0.101	0.1100		mg/Kg		109	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-98495/5-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 14:51	12/20/24 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 14:51	12/20/24 21:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/20/24 14:51	12/20/24 21:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/20/24 14:51	12/20/24 21:46	1

Lab Sample ID: LCS 880-98495/1-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1153		mg/Kg		115	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1129		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-98495/2-A

Matrix: Solid

Analysis Batch: 98350

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98495

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1152		mg/Kg		115	70 - 130	0	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	1	35
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-52553-21 MS
Matrix: Solid
Analysis Batch: 98350

Client Sample ID: CS-7 (1.0')
Prep Type: Total/NA
Prep Batch: 98495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1044		mg/Kg		105	70 - 130
Toluene	<0.00199	U	0.0996	0.09755		mg/Kg		98	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1000		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1968		mg/Kg		99	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1008		mg/Kg		101	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-52553-21 MSD
Matrix: Solid
Analysis Batch: 98350

Client Sample ID: CS-7 (1.0')
Prep Type: Total/NA
Prep Batch: 98495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1044		mg/Kg		104	70 - 130	0	35
Toluene	<0.00199	U	0.101	0.09842		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1005		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1992		mg/Kg		99	70 - 130	1	35
o-Xylene	<0.00199	U	0.101	0.1018		mg/Kg		101	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-98643/1-A
Matrix: Solid
Analysis Batch: 98764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 98643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 10:52	12/26/24 20:23	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	105		70 - 130	12/23/24 10:52	12/26/24 20:23	1			
o-Terphenyl	110		70 - 130	12/23/24 10:52	12/26/24 20:23	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-98643/2-A

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98643

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	943.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	943.6		mg/Kg		94	70 - 130		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	102		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: LCSD 880-98643/3-A

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98643

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1016		mg/Kg		102	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1027		mg/Kg		103	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: 880-52553-1 MS

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	829.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	918.1		mg/Kg		92	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	895.7		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	973.7		mg/Kg		98	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-1 MSD

Matrix: Solid

Analysis Batch: 98764

Client Sample ID: SW-1 (3.0')

Prep Type: Total/NA

Prep Batch: 98643

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	97		70 - 130

Lab Sample ID: MB 880-98722/1-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 98722

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/23/24 15:07	12/23/24 21:11	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130				12/23/24 15:07	12/23/24 21:11	1	
<i>o</i> -Terphenyl	95		70 - 130				12/23/24 15:07	12/23/24 21:11	1	

Lab Sample ID: LCS 880-98722/2-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 98722

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	908.7		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	898.4		mg/Kg		90	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
<i>o</i> -Terphenyl	96		70 - 130								

Lab Sample ID: LCSD 880-98722/3-A

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 98722

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1047		mg/Kg		105	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1027		mg/Kg		103	70 - 130	13	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
<i>o</i> -Terphenyl	108		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-52553-21 MS

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	770.7		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	769.2		mg/Kg		77	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: 880-52553-21 MSD

Matrix: Solid

Analysis Batch: 98593

Client Sample ID: CS-7 (1.0')

Prep Type: Total/NA

Prep Batch: 98722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	785.1		mg/Kg		76	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	777.9		mg/Kg		78	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	85		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98524/1-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/21/24 03:21	1

Lab Sample ID: LCS 880-98524/2-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-98524/3-A

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52553-9 MS

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: SW-9 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	381		249	635.8		mg/Kg		102	90 - 110

Lab Sample ID: 880-52553-9 MSD

Matrix: Solid

Analysis Batch: 98529

Client Sample ID: SW-9 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	381		249	636.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-98528/1-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/21/24 22:05	1

Lab Sample ID: LCS 880-98528/2-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-98528/3-A

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.0		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 880-52553-19 MS

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: CS-5 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	148		250	385.8		mg/Kg		95	90 - 110

Lab Sample ID: 880-52553-19 MSD

Matrix: Solid

Analysis Batch: 98531

Client Sample ID: CS-5 (1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	148		250	400.9		mg/Kg		101	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 98350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8021B	98495
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8021B	98495
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8021B	98495
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8021B	98495
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8021B	98495
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8021B	98495
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8021B	98495
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8021B	98495
MB 880-98432/5-A	Method Blank	Total/NA	Solid	8021B	98432
MB 880-98495/5-A	Method Blank	Total/NA	Solid	8021B	98495
LCS 880-98495/1-A	Lab Control Sample	Total/NA	Solid	8021B	98495
LCSD 880-98495/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98495
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8021B	98495
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8021B	98495

Analysis Batch: 98353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8021B	98494
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8021B	98494
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8021B	98494
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8021B	98494
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8021B	98494
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8021B	98494
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8021B	98494
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8021B	98494
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8021B	98494
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8021B	98494
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8021B	98494
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8021B	98494
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8021B	98494
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8021B	98494
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8021B	98494
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8021B	98494
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8021B	98494
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8021B	98494
MB 880-98435/5-A	Method Blank	Total/NA	Solid	8021B	98435
MB 880-98494/5-A	Method Blank	Total/NA	Solid	8021B	98494
LCS 880-98494/1-A	Lab Control Sample	Total/NA	Solid	8021B	98494
LCSD 880-98494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98494
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8021B	98494
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8021B	98494

Prep Batch: 98432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98432/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 98435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98435/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 98494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	5035	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	5035	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	5035	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	5035	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	5035	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	5035	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	5035	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	5035	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	5035	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	5035	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	5035	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	5035	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	5035	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	5035	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	5035	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	5035	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	5035	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	5035	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	5035	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	5035	
MB 880-98494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	5035	
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	5035	

Prep Batch: 98495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	5035	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	5035	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	5035	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	5035	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	5035	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	5035	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	5035	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	5035	
MB 880-98495/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98495/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98495/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	5035	
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	5035	

Analysis Batch: 98738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	Total BTEX	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 98738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-8	SW-8 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	Total BTEX	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	Total BTEX	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	Total BTEX	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	Total BTEX	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	Total BTEX	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-21	CS-7 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	Total BTEX	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 98593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015B NM	98722
MB 880-98722/1-A	Method Blank	Total/NA	Solid	8015B NM	98722
LCS 880-98722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98722
LCSD 880-98722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98722
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8015B NM	98722

Prep Batch: 98643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015NM Prep	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 98643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015NM Prep	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015NM Prep	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015NM Prep	
MB 880-98643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 98722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-98722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52553-21 MS	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-52553-21 MSD	CS-7 (1.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 98764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015B NM	98643
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015B NM	98643
MB 880-98643/1-A	Method Blank	Total/NA	Solid	8015B NM	98643
LCS 880-98643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98643
LCSD 880-98643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98643
880-52553-1 MS	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-1 MSD	SW-1 (3.0')	Total/NA	Solid	8015B NM	98643

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 98766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015B NM	98643
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015B NM	98643
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015B NM	98643
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015B NM	98643
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015B NM	98643
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015B NM	98643
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015B NM	98643

Analysis Batch: 98798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Total/NA	Solid	8015 NM	
880-52553-2	SW-2 (3.0')	Total/NA	Solid	8015 NM	
880-52553-3	SW-3 (3.0')	Total/NA	Solid	8015 NM	
880-52553-4	SW-4 (3.0')	Total/NA	Solid	8015 NM	
880-52553-5	SW-5 (1'-3.0')	Total/NA	Solid	8015 NM	
880-52553-6	SW-6 (1.0')	Total/NA	Solid	8015 NM	
880-52553-7	SW-7 (1.0')	Total/NA	Solid	8015 NM	
880-52553-8	SW-8 (1.0')	Total/NA	Solid	8015 NM	
880-52553-9	SW-9 (1.0')	Total/NA	Solid	8015 NM	
880-52553-10	SW-10 (1.0')	Total/NA	Solid	8015 NM	
880-52553-11	SW-11 (1'-2.5')	Total/NA	Solid	8015 NM	
880-52553-12	SW-12 (1'-2.5')	Total/NA	Solid	8015 NM	
880-52553-13	SW-13 (2.5')	Total/NA	Solid	8015 NM	
880-52553-14	SW-14 (2.5')	Total/NA	Solid	8015 NM	
880-52553-15	CS-1 (3.0')	Total/NA	Solid	8015 NM	
880-52553-16	CS-2 (3.0')	Total/NA	Solid	8015 NM	
880-52553-17	CS-3 (3.0')	Total/NA	Solid	8015 NM	
880-52553-18	CS-4 (1.0')	Total/NA	Solid	8015 NM	
880-52553-19	CS-5 (1.0')	Total/NA	Solid	8015 NM	
880-52553-20	CS-6 (1.0')	Total/NA	Solid	8015 NM	
880-52553-21	CS-7 (1.0')	Total/NA	Solid	8015 NM	
880-52553-22	CS-8 (1.0')	Total/NA	Solid	8015 NM	
880-52553-23	CS-9 (1.0')	Total/NA	Solid	8015 NM	
880-52553-24	CS-10 (1.0')	Total/NA	Solid	8015 NM	
880-52553-25	CS-11 (1.0')	Total/NA	Solid	8015 NM	
880-52553-26	CS-12 (1.0')	Total/NA	Solid	8015 NM	
880-52553-27	CS-13 (1.0')	Total/NA	Solid	8015 NM	
880-52553-28	CS-14 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 98524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Soluble	Solid	DI Leach	
880-52553-2	SW-2 (3.0')	Soluble	Solid	DI Leach	
880-52553-3	SW-3 (3.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 98524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-4	SW-4 (3.0')	Soluble	Solid	DI Leach	
880-52553-5	SW-5 (1'-3.0')	Soluble	Solid	DI Leach	
880-52553-6	SW-6 (1.0')	Soluble	Solid	DI Leach	
880-52553-7	SW-7 (1.0')	Soluble	Solid	DI Leach	
880-52553-8	SW-8 (1.0')	Soluble	Solid	DI Leach	
880-52553-9	SW-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-10	SW-10 (1.0')	Soluble	Solid	DI Leach	
880-52553-11	SW-11 (1'-2.5')	Soluble	Solid	DI Leach	
880-52553-12	SW-12 (1'-2.5')	Soluble	Solid	DI Leach	
880-52553-13	SW-13 (2.5')	Soluble	Solid	DI Leach	
880-52553-14	SW-14 (2.5')	Soluble	Solid	DI Leach	
880-52553-15	CS-1 (3.0')	Soluble	Solid	DI Leach	
880-52553-16	CS-2 (3.0')	Soluble	Solid	DI Leach	
880-52553-17	CS-3 (3.0')	Soluble	Solid	DI Leach	
880-52553-18	CS-4 (1.0')	Soluble	Solid	DI Leach	
MB 880-98524/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98524/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98524/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52553-9 MS	SW-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-9 MSD	SW-9 (1.0')	Soluble	Solid	DI Leach	

Leach Batch: 98528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-19	CS-5 (1.0')	Soluble	Solid	DI Leach	
880-52553-20	CS-6 (1.0')	Soluble	Solid	DI Leach	
880-52553-21	CS-7 (1.0')	Soluble	Solid	DI Leach	
880-52553-22	CS-8 (1.0')	Soluble	Solid	DI Leach	
880-52553-23	CS-9 (1.0')	Soluble	Solid	DI Leach	
880-52553-24	CS-10 (1.0')	Soluble	Solid	DI Leach	
880-52553-25	CS-11 (1.0')	Soluble	Solid	DI Leach	
880-52553-26	CS-12 (1.0')	Soluble	Solid	DI Leach	
880-52553-27	CS-13 (1.0')	Soluble	Solid	DI Leach	
880-52553-28	CS-14 (2.5')	Soluble	Solid	DI Leach	
MB 880-98528/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52553-19 MS	CS-5 (1.0')	Soluble	Solid	DI Leach	
880-52553-19 MSD	CS-5 (1.0')	Soluble	Solid	DI Leach	

Analysis Batch: 98529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-1	SW-1 (3.0')	Soluble	Solid	300.0	98524
880-52553-2	SW-2 (3.0')	Soluble	Solid	300.0	98524
880-52553-3	SW-3 (3.0')	Soluble	Solid	300.0	98524
880-52553-4	SW-4 (3.0')	Soluble	Solid	300.0	98524
880-52553-5	SW-5 (1'-3.0')	Soluble	Solid	300.0	98524
880-52553-6	SW-6 (1.0')	Soluble	Solid	300.0	98524
880-52553-7	SW-7 (1.0')	Soluble	Solid	300.0	98524
880-52553-8	SW-8 (1.0')	Soluble	Solid	300.0	98524
880-52553-9	SW-9 (1.0')	Soluble	Solid	300.0	98524
880-52553-10	SW-10 (1.0')	Soluble	Solid	300.0	98524

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 98529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-11	SW-11 (1'-2.5')	Soluble	Solid	300.0	98524
880-52553-12	SW-12 (1'-2.5')	Soluble	Solid	300.0	98524
880-52553-13	SW-13 (2.5')	Soluble	Solid	300.0	98524
880-52553-14	SW-14 (2.5')	Soluble	Solid	300.0	98524
880-52553-15	CS-1 (3.0')	Soluble	Solid	300.0	98524
880-52553-16	CS-2 (3.0')	Soluble	Solid	300.0	98524
880-52553-17	CS-3 (3.0')	Soluble	Solid	300.0	98524
880-52553-18	CS-4 (1.0')	Soluble	Solid	300.0	98524
MB 880-98524/1-A	Method Blank	Soluble	Solid	300.0	98524
LCS 880-98524/2-A	Lab Control Sample	Soluble	Solid	300.0	98524
LCSD 880-98524/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98524
880-52553-9 MS	SW-9 (1.0')	Soluble	Solid	300.0	98524
880-52553-9 MSD	SW-9 (1.0')	Soluble	Solid	300.0	98524

Analysis Batch: 98531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52553-19	CS-5 (1.0')	Soluble	Solid	300.0	98528
880-52553-20	CS-6 (1.0')	Soluble	Solid	300.0	98528
880-52553-21	CS-7 (1.0')	Soluble	Solid	300.0	98528
880-52553-22	CS-8 (1.0')	Soluble	Solid	300.0	98528
880-52553-23	CS-9 (1.0')	Soluble	Solid	300.0	98528
880-52553-24	CS-10 (1.0')	Soluble	Solid	300.0	98528
880-52553-25	CS-11 (1.0')	Soluble	Solid	300.0	98528
880-52553-26	CS-12 (1.0')	Soluble	Solid	300.0	98528
880-52553-27	CS-13 (1.0')	Soluble	Solid	300.0	98528
880-52553-28	CS-14 (2.5')	Soluble	Solid	300.0	98528
MB 880-98528/1-A	Method Blank	Soluble	Solid	300.0	98528
LCS 880-98528/2-A	Lab Control Sample	Soluble	Solid	300.0	98528
LCSD 880-98528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98528
880-52553-19 MS	CS-5 (1.0')	Soluble	Solid	300.0	98528
880-52553-19 MSD	CS-5 (1.0')	Soluble	Solid	300.0	98528

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3.0')**Lab Sample ID: 880-52553-1****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 21:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:03	CH	EET MID

Client Sample ID: SW-2 (3.0')**Lab Sample ID: 880-52553-2****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 22:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:09	CH	EET MID

Client Sample ID: SW-3 (3.0')**Lab Sample ID: 880-52553-3****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:15	CH	EET MID

Client Sample ID: SW-4 (3.0')**Lab Sample ID: 880-52553-4****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (3.0')**Lab Sample ID: 880-52553-4****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:08	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:32	CH	EET MID

Client Sample ID: SW-5 (1'-3.0')**Lab Sample ID: 880-52553-5****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:38	CH	EET MID

Client Sample ID: SW-6 (1.0')**Lab Sample ID: 880-52553-6****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/26/24 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:44	CH	EET MID

Client Sample ID: SW-7 (1.0')**Lab Sample ID: 880-52553-7****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/27/24 00:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (1.0')**Date Collected: 12/20/24 00:00****Date Received: 12/20/24 13:42****Lab Sample ID: 880-52553-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:50	CH	EET MID

Client Sample ID: SW-8 (1.0')**Date Collected: 12/20/24 00:00****Date Received: 12/20/24 13:42****Lab Sample ID: 880-52553-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98764	12/27/24 00:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 04:56	CH	EET MID

Client Sample ID: SW-9 (1.0')**Date Collected: 12/20/24 00:00****Date Received: 12/20/24 13:42****Lab Sample ID: 880-52553-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 01:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 20:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:02	CH	EET MID

Client Sample ID: SW-10 (1.0')**Date Collected: 12/20/24 00:00****Date Received: 12/20/24 13:42****Lab Sample ID: 880-52553-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 20:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (1'-2.5')**Lab Sample ID: 880-52553-11****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:26	CH	EET MID

Client Sample ID: SW-12 (1'-2.5')**Lab Sample ID: 880-52553-12****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:43	CH	EET MID

Client Sample ID: SW-13 (2.5')**Lab Sample ID: 880-52553-13****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 21:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 21:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:49	CH	EET MID

Client Sample ID: SW-14 (2.5')**Lab Sample ID: 880-52553-14****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2.5')**Lab Sample ID: 880-52553-14****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 05:55	CH	EET MID

Client Sample ID: CS-1 (3.0')**Lab Sample ID: 880-52553-15****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:01	CH	EET MID

Client Sample ID: CS-2 (3.0')**Lab Sample ID: 880-52553-16****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 04:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:07	CH	EET MID

Client Sample ID: CS-3 (3.0')**Lab Sample ID: 880-52553-17****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (3.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 07:55	CH	EET MID

Client Sample ID: CS-4 (1.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	98524	12/20/24 15:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98529	12/21/24 06:14	CH	EET MID

Client Sample ID: CS-5 (1.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/26/24 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/26/24 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 22:29	CH	EET MID

Client Sample ID: CS-6 (1.0')

Date Collected: 12/20/24 00:00

Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	98494	12/20/24 14:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/21/24 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 06:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/27/24 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98643	12/23/24 10:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98766	12/27/24 00:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 22:54	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (1.0')**Lab Sample ID: 880-52553-21****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 22:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 22:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:02	CH	EET MID

Client Sample ID: CS-8 (1.0')**Lab Sample ID: 880-52553-22****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:10	CH	EET MID

Client Sample ID: CS-9 (1.0')**Lab Sample ID: 880-52553-23****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/21/24 23:18	CH	EET MID

Client Sample ID: CS-10 (1.0')**Lab Sample ID: 880-52553-24****Date Collected: 12/20/24 00:00****Matrix: Solid****Date Received: 12/20/24 13:42**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-10 (1.0')

Lab Sample ID: 880-52553-24

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			98798	12/23/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/23/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:41	CH	EET MID

Client Sample ID: CS-11 (1.0')

Lab Sample ID: 880-52553-25

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:47	CH	EET MID

Client Sample ID: CS-12 (1.0')

Lab Sample ID: 880-52553-26

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/20/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/20/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:53	CH	EET MID

Client Sample ID: CS-13 (1.0')

Lab Sample ID: 880-52553-27

Date Collected: 12/20/24 00:00

Matrix: Solid

Date Received: 12/20/24 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/21/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 00:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 00:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (1.0')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 16:59	CH	EET MID

Client Sample ID: CS-14 (2.5')
Date Collected: 12/20/24 00:00
Date Received: 12/20/24 13:42

Lab Sample ID: 880-52553-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98495	12/20/24 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98350	12/21/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98738	12/21/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			98798	12/24/24 01:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98722	12/23/24 15:07	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98593	12/24/24 01:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98528	12/20/24 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98531	12/22/24 17:05	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52553-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52553-1	SW-1 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-2	SW-2 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-3	SW-3 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-4	SW-4 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-5	SW-5 (1'-3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-6	SW-6 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-7	SW-7 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-8	SW-8 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-9	SW-9 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-10	SW-10 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-11	SW-11 (1'-2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-12	SW-12 (1'-2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-13	SW-13 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-14	SW-14 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-15	CS-1 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-16	CS-2 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-17	CS-3 (3.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-18	CS-4 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-19	CS-5 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-20	CS-6 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-21	CS-7 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-22	CS-8 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-23	CS-9 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-24	CS-10 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-25	CS-11 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-26	CS-12 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-27	CS-13 (1.0')	Solid	12/20/24 00:00	12/20/24 13:42
880-52553-28	CS-14 (2.5')	Solid	12/20/24 00:00	12/20/24 13:42

Chain of Custody



880-52553 Chain of Custody

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marrenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

ANALYSIS REQUEST																																																											
Project Name:		Turn Around		Pres. Code		Preservative Codes																																																					
Bonnie 35 Federal Com CTB		☐ Routine ☒ Rush				None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																																																					
Project Number:		Due Date:		Parameters <td colspan="4"></td>																																																							
2030		48 Hrs																																																									
Project Location		Eddy Co. NM																																																									
Sampler's Name:		CMM																																																									
PO #:																																																											
<table border="1"> <tr> <th colspan="2">SAMPLE RECEIPT</th> <th colspan="2">Temp Blank:</th> <th colspan="2">Yes No</th> <th colspan="2">Wet Ice:</th> <th colspan="2">Yes No</th> </tr> <tr> <td colspan="2">Received Intact:</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> </tr> <tr> <td colspan="2">Cooler Custody Seals:</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> </tr> <tr> <td colspan="2">Sample Custody Seals:</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> </tr> <tr> <td colspan="2">Total Containers:</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> <td colspan="2">Yes No</td> </tr> </table>										SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		Received Intact:		Yes No		Yes No		Yes No		Yes No		Cooler Custody Seals:		Yes No		Yes No		Yes No		Yes No		Sample Custody Seals:		Yes No		Yes No		Yes No		Yes No		Total Containers:		Yes No		Yes No		Yes No		Yes No	
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Total Containers:		Yes No		Yes No		Yes No		Yes No																																																			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																																															
SW-1 (3.0')		12/20/2024				X				Comp		1																																															
SW-2 (3.0')		12/20/2024				X				Comp		1																																															
SW-3 (3.0')		12/20/2024				X				Comp		1																																															
SW-4 (3.0')		12/20/2024				X				Comp		1																																															
SW-5 (1'-3.0')		12/20/2024				X				Comp		1																																															
SW-6 (1.0')		12/20/2024				X				Comp		1																																															
SW-7 (1.0')		12/20/2024				X				Comp		1																																															
SW-8 (1.0')		12/20/2024				X				Comp		1																																															
SW-9 (1.0')		12/20/2024				X				Comp		1																																															
SW-10 (1.0')		12/20/2024				X				Comp		1																																															

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Code M...ing</i>	12-20-24	<i>[Signature]</i>	12/20/24

Chain of Custody

Work Order No: 553Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

Work Order Comments	
Program: ☐ PST ☐ PRP ☐ Brownfields ☐ IRC ☐ Jperfund	☐
State of Project:	
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes																																																																							
Project Name:	Bonnie 35 Federal Com CTB		Turn Around		Pres. Code																																																																												
Project Number:	2030		☐ Routine	☒ Rush																																																																													
Project Location	Eddy Co, NM		Due Date:	48 Hrs																																																																													
Sampler's Name:	CMM																																																																																
PO #:																																																																																	
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SW-11 (1'-2.5')	12/20/2024		X		Comp	1	X	X	X																																																																								
SW-12 (1'-2.5')	12/20/2024		X		Comp	1	X	X	X																																																																								
SW-13 (2.5')	12/20/2024		X		Comp	1	X	X	X																																																																								
SW-14 (2.5')	12/20/2024		X		Comp	1	X	X	X																																																																								
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Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Cade Woodbury</i>	12-20-24	<i>[Signature]</i>	

Chain of Custody

Work Order No: SS3Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marienfeld St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

ANALYSIS REQUEST										Preservative Codes		
Project Name:	Bonnie 35 Federal Com CTB	Turn Around	Pres. Code							None: NO	DI Water: H ₂ O	
Project Number:	2030	☐ Routine ☒ Rush								Cool: Cool	MeOH: Me	
Project Location	Eddy Co, NM	Due Date:	48 Hrs <th colspan="6"></th> <td>HCL: HC</td> <td>HNO₃: HN</td>							HCL: HC	HNO ₃ : HN	
Sampler's Name:	CMM									H ₂ SO ₄ : H ₂	NaOH: Na	
PO #:										H ₃ PO ₄ : HP		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No						NaHSO ₄ : NABIS	
Received Intact:		Yes No		Thermometer ID:							Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:		Yes No	N/A	Correction Factor:							Zn Acetate+NaOH: Zn	
Sample Custody Seals:		Yes No	N/A	Temperature Reading:							NaOH+Ascorbic Acid: SAPC	
Total Containers:				Corrected Temperature:								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0	
CS-7 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-8 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-9 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-10 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-11 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-12 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-13 (1.0')	12/20/2024		X		Comp	1	X	X	X	X		
CS-14 (2.5')	12/20/2024		X		Comp	1	X	X	X	X		

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Carla Munday</i>	<i>[Signature]</i>	12-20-24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52553-1

SDG Number: Eddy Co, NM

Login Number: 52553

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 12/18/2024 1:53:56 PM

JOB DESCRIPTION

Bonnie 35 Federal Com CTB
Eddy Co., NM

JOB NUMBER

880-52232-1

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
12/18/2024 1:53:56 PM

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

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Laboratory Job ID: 880-52232-1
SDG: Eddy Co., NM

Table of Contents

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1

Job ID: 880-52232-1

Eurofins Midland

Job Narrative 880-52232-1

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

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

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

Receipt

The sample was received on 12/13/2024 4:51 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Fred Beard Backfill (880-52232-1).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-97951 and analytical batch 880-97910 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-97706 and analytical batch 880-97954 was outside the control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97706 and analytical batch 880-97954 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Client Sample ID: Fred Beard Backfill

Lab Sample ID: 880-52232-1

Date Collected: 12/13/24 00:00

Matrix: Solid

Date Received: 12/13/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Toluene	<0.00199	U **	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/24 11:13	12/17/24 01:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/24 11:13	12/17/24 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/16/24 11:13	12/17/24 01:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/16/24 11:13	12/17/24 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/17/24 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/24 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	12/12/24 09:47	12/16/24 19:52	1
o-Terphenyl	73		70 - 130	12/12/24 09:47	12/16/24 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		9.92		mg/Kg			12/17/24 15:28	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-52232-1	Fred Beard Backfill	84	94
880-52233-A-21-E MS	Matrix Spike	90	107
880-52233-A-21-F MSD	Matrix Spike Duplicate	92	107
LCS 880-97951/1-A	Lab Control Sample	116	111
LCSD 880-97951/2-A	Lab Control Sample Dup	104	91
MB 880-97927/5-A	Method Blank	77	90
MB 880-97951/5-A	Method Blank	79	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52124-A-26-B MS	Matrix Spike	93	74
880-52124-A-26-C MSD	Matrix Spike Duplicate	94	75
880-52232-1	Fred Beard Backfill	83	73
LCS 880-97706/2-A	Lab Control Sample	122	99
LCSD 880-97706/3-A	Lab Control Sample Dup	116	93
MB 880-97706/1-A	Method Blank	70	63 S1-
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97927/5-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 10:00	12/16/24 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/24 10:00	12/16/24 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	12/16/24 10:00	12/16/24 11:49	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/16/24 10:00	12/16/24 11:49	1

Lab Sample ID: MB 880-97951/5-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/24 11:13	12/16/24 22:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/24 11:13	12/16/24 22:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	12/16/24 11:13	12/16/24 22:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/16/24 11:13	12/16/24 22:28	1

Lab Sample ID: LCS 880-97951/1-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1208		mg/Kg		121	70 - 130
Toluene	0.100	0.1151		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2614	*+	mg/Kg		131	70 - 130
o-Xylene	0.100	0.1270		mg/Kg		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-97951/2-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1233		mg/Kg		123	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-97951/2-A

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1337	*+	mg/Kg		134	70 - 130	15		35
Ethylbenzene	0.100	0.1341	*+	mg/Kg		134	70 - 130	16		35
m-Xylene & p-Xylene	0.200	0.2597		mg/Kg		130	70 - 130	1		35
o-Xylene	0.100	0.1264		mg/Kg		126	70 - 130	0		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-52233-A-21-E MS

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00199	U	0.0996	0.08448		mg/Kg		85	70 - 130	
Toluene	<0.00199	U *	0.0996	0.09135		mg/Kg		92	70 - 130	
Ethylbenzene	<0.00199	U *	0.0996	0.08503		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00398	U *	0.199	0.1668		mg/Kg		84	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.08478		mg/Kg		85	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-52233-A-21-F MSD

Matrix: Solid

Analysis Batch: 97910

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 97951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.101	0.08471		mg/Kg		84	70 - 130	0		35
Toluene	<0.00199	U *	0.101	0.09117		mg/Kg		90	70 - 130	0		35
Ethylbenzene	<0.00199	U *	0.101	0.08598		mg/Kg		85	70 - 130	1		35
m-Xylene & p-Xylene	<0.00398	U *	0.202	0.1677		mg/Kg		83	70 - 130	1		35
o-Xylene	<0.00199	U	0.101	0.08454		mg/Kg		84	70 - 130	0		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-97706/1-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97706

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-97706/1-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97706

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/24 09:47	12/16/24 10:10	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	70		70 - 130				12/12/24 09:47	12/16/24 10:10	1
o-Terphenyl	63	S1-	70 - 130				12/12/24 09:47	12/16/24 10:10	1

Lab Sample ID: LCS 880-97706/2-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1209		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	943.1		mg/Kg		94	70 - 130		
Surrogate	LCS	LCS	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: LCSD 880-97706/3-A

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	893.0		mg/Kg		89	70 - 130	5	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: 880-52124-A-26-B MS

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	901.4		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	634.5	F1	mg/Kg		64	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	93		70 - 130								
o-Terphenyl	74		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-52124-A-26-C MSD

Matrix: Solid

Analysis Batch: 97954

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 97706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	843.3		mg/Kg		85	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	644.9	F1	mg/Kg		65	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	75		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97922/1-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/17/24 15:09	1

Lab Sample ID: LCS 880-97922/2-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-97922/3-A

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-52232-1 MS

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Fred Beard Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180		248	423.5		mg/Kg		98	90 - 110

Lab Sample ID: 880-52232-1 MSD

Matrix: Solid

Analysis Batch: 97946

Client Sample ID: Fred Beard Backfill

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180		248	422.2		mg/Kg		97	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

GC VOA

Analysis Batch: 97910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8021B	97951
MB 880-97927/5-A	Method Blank	Total/NA	Solid	8021B	97927
MB 880-97951/5-A	Method Blank	Total/NA	Solid	8021B	97951
LCS 880-97951/1-A	Lab Control Sample	Total/NA	Solid	8021B	97951
LCSD 880-97951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97951
880-52233-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	97951
880-52233-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	97951

Prep Batch: 97927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-97927/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 97951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	5035	
MB 880-97951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52233-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
880-52233-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 98023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 97706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015NM Prep	
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52124-A-26-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52124-A-26-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015B NM	97706
MB 880-97706/1-A	Method Blank	Total/NA	Solid	8015B NM	97706
LCS 880-97706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97706
LCSD 880-97706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97706
880-52124-A-26-B MS	Matrix Spike	Total/NA	Solid	8015B NM	97706
880-52124-A-26-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97706

Analysis Batch: 98062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

HPLC/IC

Leach Batch: 97922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Soluble	Solid	DI Leach	
MB 880-97922/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97922/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97922/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52232-1 MS	Fred Beard Backfill	Soluble	Solid	DI Leach	
880-52232-1 MSD	Fred Beard Backfill	Soluble	Solid	DI Leach	

Analysis Batch: 97946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52232-1	Fred Beard Backfill	Soluble	Solid	300.0	97922
MB 880-97922/1-A	Method Blank	Soluble	Solid	300.0	97922
LCS 880-97922/2-A	Lab Control Sample	Soluble	Solid	300.0	97922
LCSD 880-97922/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97922
880-52232-1 MS	Fred Beard Backfill	Soluble	Solid	300.0	97922
880-52232-1 MSD	Fred Beard Backfill	Soluble	Solid	300.0	97922

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Client Sample ID: Fred Beard Backfill
Date Collected: 12/13/24 00:00
Date Received: 12/13/24 16:51

Lab Sample ID: 880-52232-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	97951	12/16/24 11:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97910	12/17/24 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98023	12/17/24 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			98062	12/16/24 19:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97706	12/12/24 09:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97954	12/16/24 19:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	97922	12/16/24 09:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97946	12/17/24 15:28	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Bonnie 35 Federal Com CTB

Job ID: 880-52232-1
SDG: Eddy Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52232-1	Fred Beard Backfill	Solid	12/13/24 00:00	12/13/24 16:51

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



880-52232 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Marlenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashton.thielke@coterra.com

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

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Cele Mauding	12-13-24	Edy Arnold Lee	12/17/24 16:35

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52232-1

SDG Number: Eddy Co., NM

Login Number: 52232

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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

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QUESTIONS

Action 419143

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1602733517
Incident Name	NAB1602733517 BONNIE 35 FEDERAL COM #001H @ 30-015-42956
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-42956] BONNIE 35 FEDERAL COM #001H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	BONNIE 35 FEDERAL COM #001H
Date Release Discovered	01/25/2016
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 20 BBL Recovered: 5 BBL Lost: 15 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 419143

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/09/2025
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QUESTIONS, Page 3

Action 419143

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:
	215099
	Action Number:
	419143
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	56000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	57.1
GRO+DRO (EPA SW-846 Method 8015M)	57.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	12/04/2024
On what date will (or did) the final sampling or liner inspection occur	12/20/2024
On what date will (or was) the remediation complete(d)	12/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2481
What is the estimated volume (in cubic yards) that will be remediated	440
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 419143

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/09/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 419143

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 419143

QUESTIONS (continued)

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	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	413750
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/19/2024
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	2500

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2481
What was the total volume (cubic yards) remediated	440
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Using the 2016 work plan, the site was excavated to conform with current (2025) 19.15.29.12 NMAC standards. The contaminated area was excavated and lab confirmed with composite confirmation floor/sidewall samples. Before being utilized, a composite sample of the backfill material was analyzed to confirm it was clean material being used as backfill material.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 01/09/2025

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QUESTIONS, Page 7

Action 419143

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 419143

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 419143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	1/21/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/21/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	1/21/2025