

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Bonanza Federal #001 (07.15.2024)
Incident #: NAPP2419952876
Lea County, New Mexico
Unit I Sec 28 T23S R34E
32.2729111°, -103.4685593°

Produced Water Release
Point of Release: Corrosion in Flow Line
Release Date: 07.15.2024
Volume Released: 1 Barrel of Crude Oil and 5 Barrels of Produced Water
Volume Recovered: 0 Barrels of Crude Oil and 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Chevron U.S.A., Inc.
6301 Deauville Blvd
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



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October 23, 2024

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

Re: Closure Report
Bonanza Federal #001 (07.15.2024)
Chevron U.S.A., Inc.
Site Location: Unit I, S28, T23S, R34E
(Lat 32.2729111°, Long -103.4685593°)
Lea County, New Mexico

To whom it may concern:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document the Bonanza Federal #001 site assessment activities. The site is located at 32.2729111°, -103.4685593° within Unit I, S28, T23S, R34E, in Lea County, New Mexico (Figures 1 and Figure 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 15, 2024, caused by corrosion in a flow line. According to the initial C-141, the release resulted in approximately one (1) barrel of crude oil and five (5) barrels of produced water being released and zero (0) barrels of crude oil and zero (0) barrels of produced water recovered. The impacted area was located on the pad and in the pasture, shown in Figure 3. The Initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest well is a Ground Water Determination Bore (GWDB) approximately 1.39 miles Northeast of the site in S23, T23S, R34E and was drilled in 2023. The determination bore was drilled to 55 feet below the ground surface (ft bgs) and no groundwater was detected. A copy of the associated point of diversion 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 Site Assessment Activities

Initial Site Assessment

On August 5, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3), and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 4.0' bgs



inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Due to a dense soil layer and the use of hand tools, vertical delineation was not achieved in the area of S-3. Refer to Table 1.

Horizontal Delineation

Horizontal delineation was achieved in the areas of H-1 through H-5. Refer to Table 1.

5.0 Remediation Activities

Between October 8, 2024, and October 10, 2024, 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 NMOCD portal on October 3, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-2 was excavated to a depth of 2.5' bgs and the area of S-3 was excavated to a depth of 6.0' bgs. A total of nine (9) confirmation floor samples were collected (CS-1 through CS-9), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. 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 October 9, 2024, before being utilized. Refer to Table 2. Approximately 1,505 square feet of contamination was remediated, resulting in 360 cubic yards of material excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. Chevron formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

FIGURES

CARMONA RESOURCES



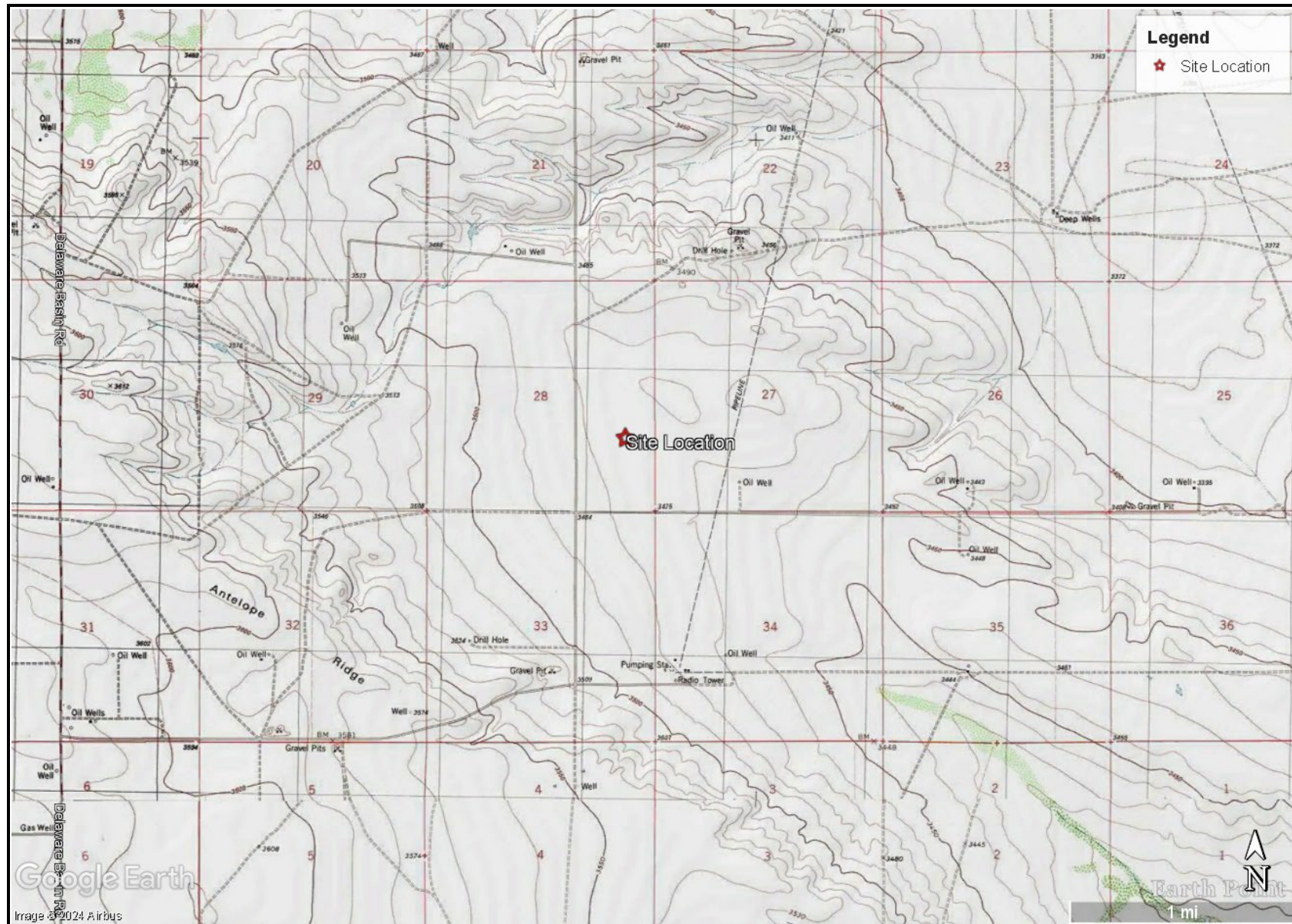


OVERVIEW MAP
CHEVRON U.S.A., INC.
BONANZA FEDERAL #001
LEA COUNTY, NEW MEXICO
32.2729111°, 104.4685593°

CARMONA RESOURCES



FIGURE 1

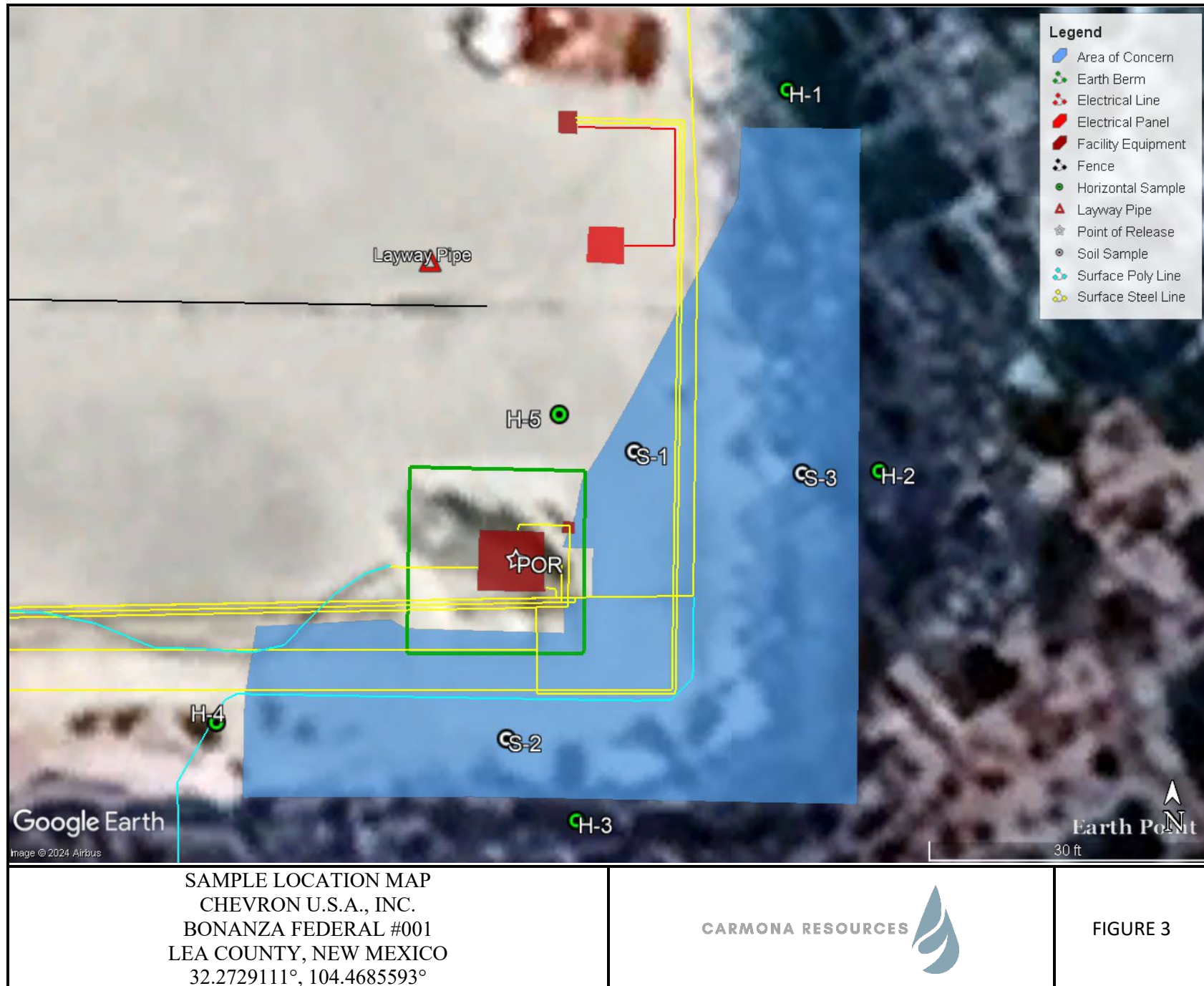


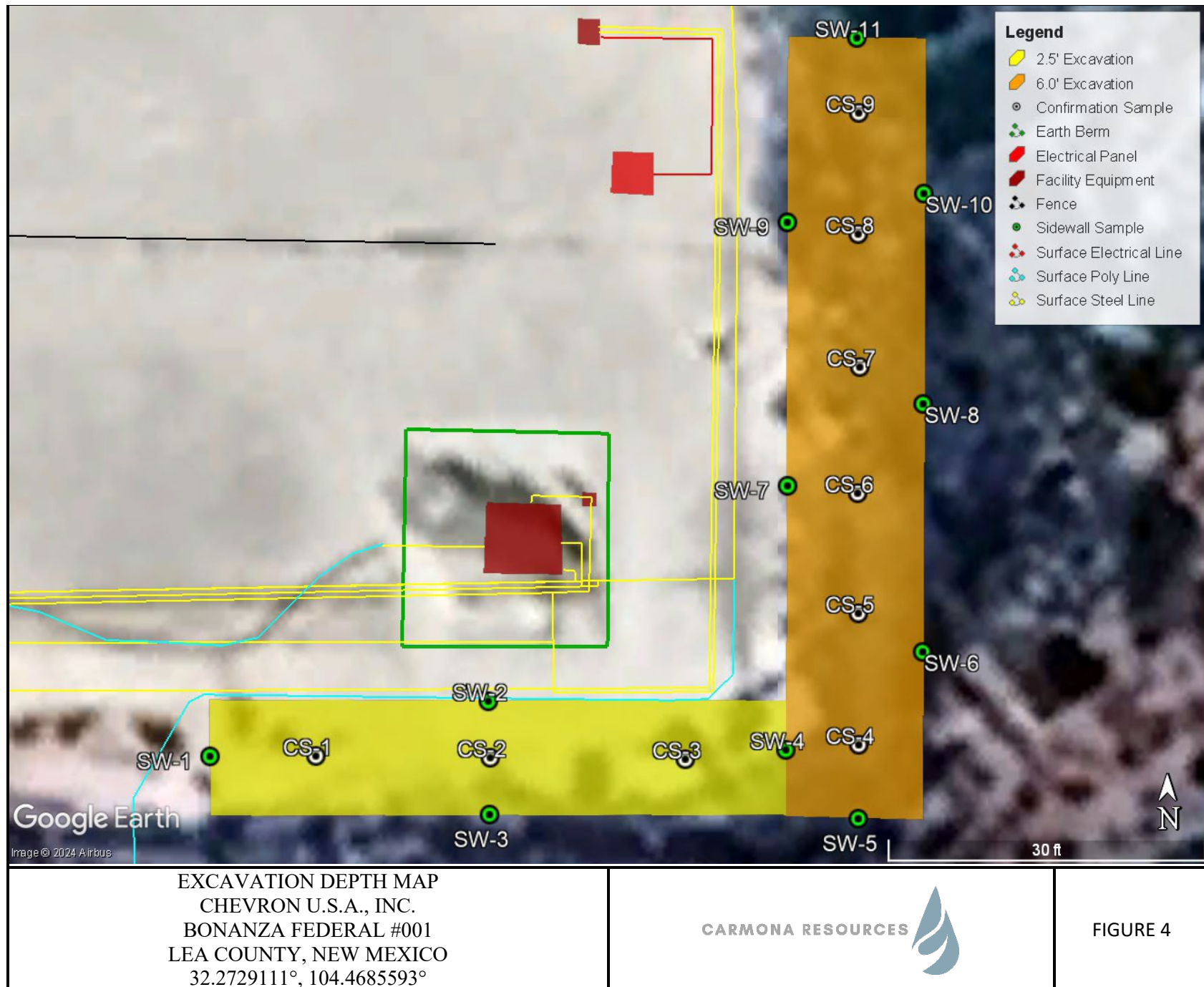
TOPOGRAPHIC MAP
 CHEVRON U.S.A., INC.
 BONANZA FEDERAL #001
 LEA COUNTY, NEW MEXICO
 32.2729111°, 104.4685593°

CARMONA RESOURCES



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Chevron
Bonanza Federal #001 (07.15.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/5/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.62
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.20
	"	1.5'	<0.499	<0.499	<0.499	<0.499	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.80
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6.15
	"	3' R	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.01
S-2	8/5/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,060
	"	1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	912
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,500
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	645
	"	3'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.8
	"	4' R	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.1
S-3	8/5/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8,210
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,580
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,110
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,520
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10,100
	"	4' R	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11,900
H-1	8/5/2024	0-0.5	<49.8	66.9	<49.8	66.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	57.0
H-2	8/5/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	238
H-3	8/5/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.5
H-4	8/5/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	67.1
H-5	8/5/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.73
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

R - Refusal Due to Hard Lithology

(S) Sample Point

(H) Horizontal Sample

Removed

Table 2
Chevron
Bonanza Federal #001
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/9/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	55.5
CS-2	10/9/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.0
CS-3	10/9/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
CS-4	10/9/2024	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	323
CS-5	10/9/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.0
CS-6	10/10/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	309
CS-7	10/10/2024	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	298
CS-8	10/10/2024	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.5
CS-9	10/10/2024	6.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	87.2
SW-1	10/9/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	22.3
SW-2	10/9/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	133
SW-3	10/9/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	107
SW-4	10/9/2024	3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.6
SW-5	10/9/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.2
SW-6	10/9/2024	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.3
SW-7	10/10/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.4
SW-8	10/10/2024	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	117
SW-9	10/10/2024	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	57.6
SW-10	10/10/2024	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	110
SW-11	10/10/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
BACKFILL-1	10/9/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8.02
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

(CS) Confirmation Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

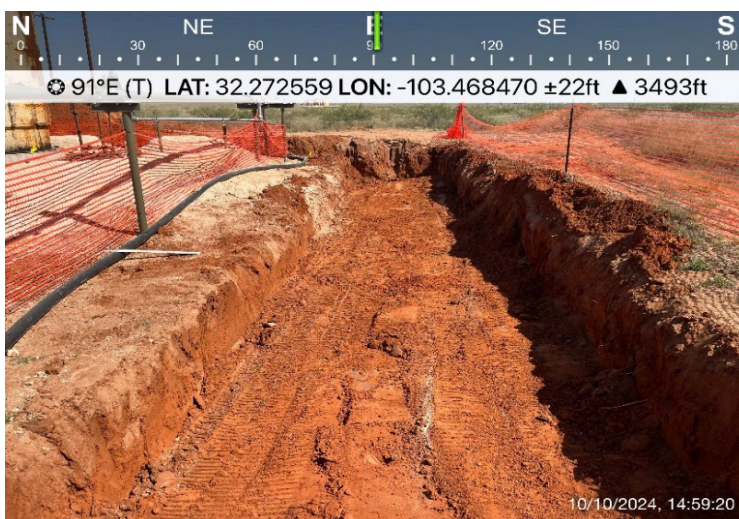
Photograph No. 1

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View Northeast, Area of CS-1 through CS-3.



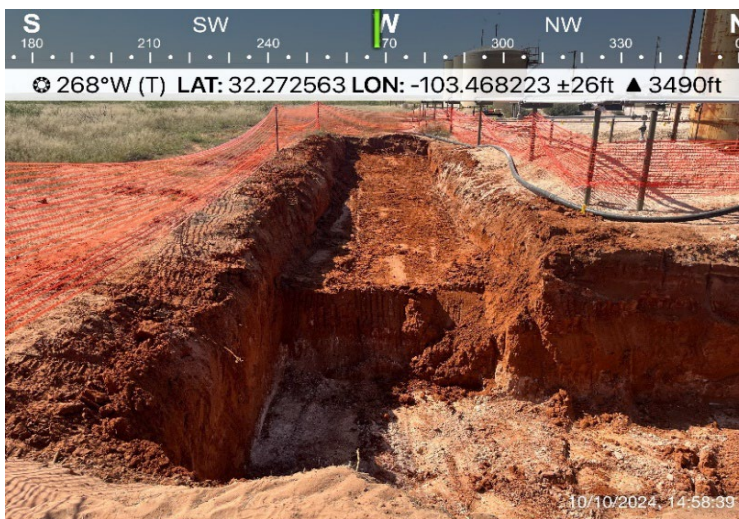
Photograph No. 2

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View West, Area of CS-1 through CS-5.



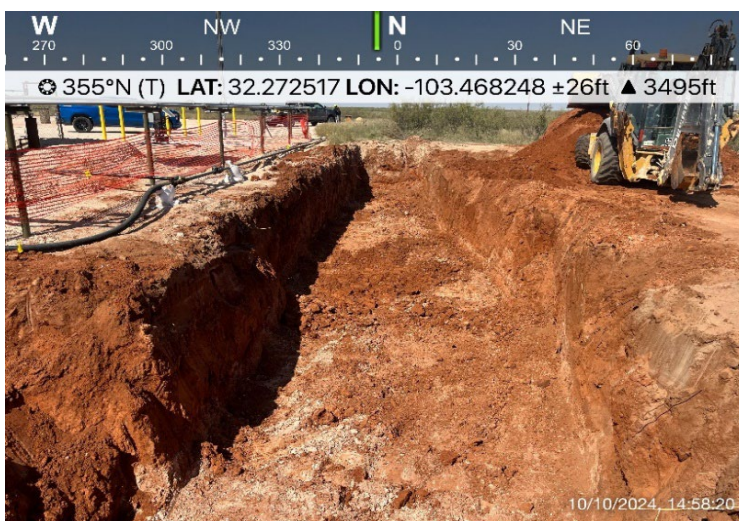
Photograph No. 3

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View North, Area of CS-4 through CS-9.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View Northeast, Area of CS-4 through CS-9.



Photograph No. 5

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View South, Area of backfill material.



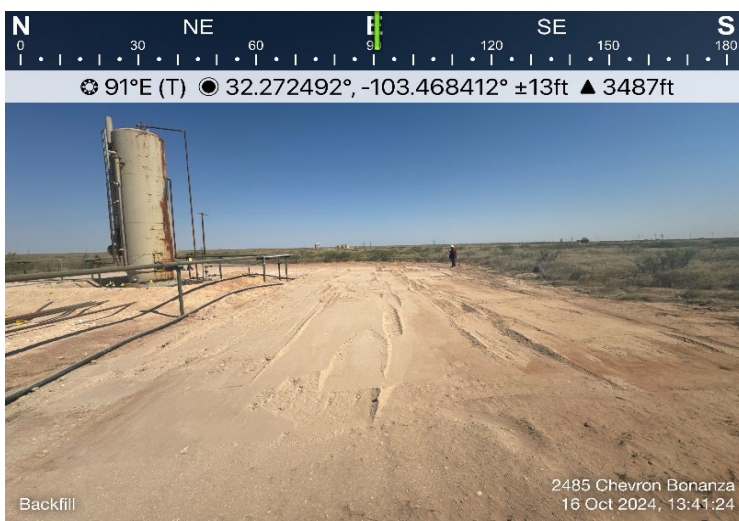
Photograph No. 6

Facility: Bonanza Federal #001

County: Lea County, New Mexico

Description:

View East, Area of backfill material.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 364981

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364981
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	30-025-33808 BONANZA FEDERAL #001
Date Release Discovered	07/15/2024
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	Cause: Corrosion Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 364981

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364981
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

District I
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 364981

ACKNOWLEDGMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364981
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 364981

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364981
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
branes	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/17/2024

	Length (feet)	Width (feet)	Above grade Depth (in)	Below grade Depth (in)	Water Cut (%)	Barrels Water	Barrels Oil
Area 1	18	20	1	0	90	4.809	0.534
Area 2	20	16	0.125	0	90	0.535	0.059
Area 3							
Area 4							
Area 5							
Area 6							
Area 7							
Rec Vol							
					Total	5.334	0.593

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QUESTIONS

Action 364988

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364988
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2419952876
Incident Name	NAPP2419952876 30-025-33808 BONANZA FEDERAL #001 @ 30-025-33808
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-33808] BONANZA FEDERAL #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	30-025-33808 BONANZA FEDERAL #001
Date Release Discovered	07/15/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 364988

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364988
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Bayley Ranes Title: Environmental Specialist Email: Bayleyranes@chevron.com Date: 07/17/2024
--	---

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QUESTIONS, Page 3

Action 364988

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364988
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 364988

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 364988
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/18/2024

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QUESTIONS

Action 389662

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 389662
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2419952876
Incident Name	NAPP2419952876 30-025-33808 BONANZA FEDERAL #001 @ 30-025-33808
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-33808] BONANZA FEDERAL #001

Location of Release Source	
Site Name	30-025-33808 BONANZA FEDERAL #001
Date Release Discovered	07/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,400
What is the estimated number of samples that will be gathered	24
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2024
Time sampling will commence	08:30 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	(32.2729111, -103.4685593) Carmona Resources will be onsite on 10.7.2024 until 10.17.2024 (excluding weekends) to oversee excavation of all impacted material and to collect composite confirmation samples.

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CONDITIONS

Action 389662

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 389662
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/3/2024

APPENDIX D

CARMONA RESOURCES

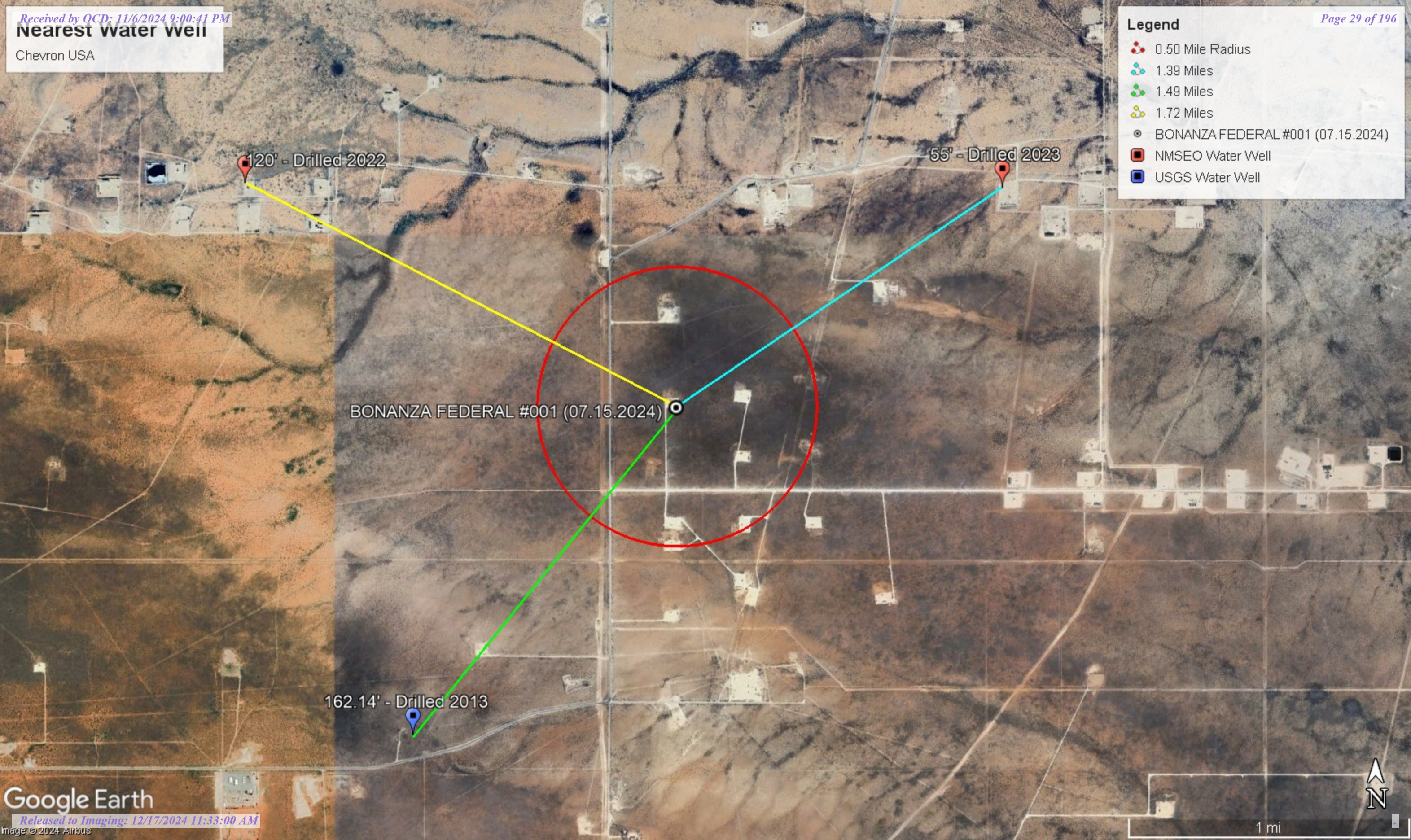


Nearest water well

Chevron USA

Legend

- 0.50 Mile Radius
- 1.39 Miles
- 1.49 Miles
- 1.72 Miles
- BONANZA FEDERAL #001 (07.15.2024)
- NMSEO Water Well
- USGS Water Well



Low Karst

Chevron USA

Legend

-  BONANZA FEDERAL #001 (07.15.2024)
-  Low

BONANZA FEDERAL #001 (07.15.2024)





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
CP 01258 POD2	CP	LE		1	4	3	22	23S	34E	644941	3572883	1385	65		
CP 01258 POD3	CP	LE		1	4	3	22	23S	34E	644938	3573097	1573	25		
CP 01258 POD1	CP	LE		1	4	3	22	23S	34E	645015	3573221	1718	25		
CP 01977 POD1	CP	LE		3	3	3	23	23S	34E	646093	3572949	2233	55		
CP 00618	CP	LE		1	2	4	22	23S	34E	645713	3573539*	2362	428	295	133
C 02386	CUB	LE		4	1	2	04	24S	34E	643962	3569290*	2407	575	475	100
C 02397	CUB	LE		4	1	2	04	24S	34E	643962	3569290*	2407	575	475	100
CP 00580	CP	LE		3	4	3	23	23S	34E	646524	3572948*	2598	220		
C 04667 POD1	CUB	LE		3	4	3	20	23S	34E	641770	3572915	2775			
C 03620 POD1	CUB	LE		1	4	3	32	23S	34E	641790	3569941	3016	480	130	350
CP 00637	CP	LE		3	3	4	15	23S	34E	645293	3574541*	3043	430	430	0
CP 00606	CP	LE			4	1	23	23S	34E	646613	3573854*	3206	650	265	385
C 04282 POD1	C	LE		1	2	1	05	24S	34E	641662	3569541	3361	574	390	184
C 03932 POD3	CUB	LE		4	3	2	05	24S	34E	642442	3568787	3413	100		
CP 01120 POD1	CP	LE		2	3	3	14	23S	34E	646366	3574753	3728	397	318	79
CP 01785 POD1	CP	LE		4	1	3	14	23S	34E	646203	3575003	3852	488	245	243

Average Depth to Water: **335 feet**

Minimum Depth: **130 feet**

Maximum Depth: **475 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 644255.9

Northing (Y): 3571679.7

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.

7/24/24 2:43 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	CP 01977 POD1	SW	SW	SW	23	23S	34E	646093.4	3572949.8	

* UTM location was derived from PLSS - see Help

Driller License:

1249

Driller Company:

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

JACKIE D ATKINS

Drill Start Date:

2023-09-08

Drill Finish Date:

2023-09-12

Plug Date:

2023-09-12

Log File Date:

2023-09-14

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

55

Depth Water:

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.

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	? S
				Groundwater	New Mexico	GO	

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321510103290801

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

USGS 321510103290801 23S.34E.32.44234

Lea County, New Mexico
Latitude 32°15'20.7", Longitude 103°29'03.5" NAD83
Land-surface elevation 3,573.00 feet above NGVD29
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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 measur
1971-01-13			D 62610		3347.63	NGVD29	P		Z	
1971-01-13			D 62611		3349.30	NAVD88	P		Z	
1971-01-13			D 72019	225.37			P		Z	
1976-01-21			D 62610		3360.61	NGVD29	1		Z	
1976-01-21			D 62611		3362.28	NAVD88	1		Z	
1976-01-21			D 72019	212.39			1		Z	
1981-03-27			D 62610		3362.87	NGVD29	1		Z	
1981-03-27			D 62611		3364.54	NAVD88	1		Z	
1981-03-27			D 72019	210.13			1		Z	
1986-03-20			D 62610		3366.03	NGVD29	1		Z	
1986-03-20			D 62611		3367.70	NAVD88	1		Z	
1986-03-20			D 72019	206.97			1		Z	
1991-05-31			D 62610		3368.73	NGVD29	1		Z	
1991-05-31			D 62611		3370.40	NAVD88	1		Z	
1991-05-31			D 72019	204.27			1		Z	

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
1996-03-08	D	62610	3366.14	NGVD29	1	S	
1996-03-08	D	62611	3367.81	NAVD88	1	S	
1996-03-08	D	72019	206.86		1	S	
2013-01-16 23:00 UTC	m	62610	3410.86	NGVD29	1	S	USGS
2013-01-16 23:00 UTC	m	62611	3412.53	NAVD88	1	S	USGS
2013-01-16 23:00 UTC	m	72019	162.14		1	S	USGS

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
Status	P	Pumping
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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Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321510103290801&agency_cd=USGS&format=html



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-07-24 16:54:35 EDT
0.26 0.23 nadww02



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4667-POD1		WELL TAG ID NO.		OSE FILE NO(S). C-04665			
	WELL OWNER NAME(S) COG OPERATING LLC				PHONE (OPTIONAL) 575-988-2043			
	WELL OWNER MAILING ADDRESS 2208 W MAIN ST				CITY STATE ZIP ARTESIA NM 88210			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 17	2.55	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	-103	29	40.16	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE KING TUT FEDERAL 001H								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 9/15/2022	DRILLING ENDED 09/15/2022	DEPTH OF COMPLETED WELL (FT) 120	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

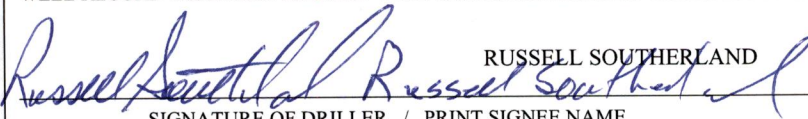
WR-20 WELL RECORD & LOG (Version 04/30/19)

FOR OSE INTERNAL USE

FILE NO. C-04667 Pod1	POD NO. 1	TRN NO. 733232
LOCATION 23S. 34E. 20. 3. 4. 3	WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	17		CALICHIE	Y ✓ N	
	17	60		SAND	Y ✓ N	
	60	120		RED SANDY CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER - SPECIFY: DRY HOLE					0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
	OSE DIT OCT 3 2022 PM4:37	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	
	RUSSELL SOUTHERLAND	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
		 SIGNATURE OF DRILLER / PRINT SIGNEE NAME RUSSELL SOUTHERLAND DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-04667	POD NO. 1	TRN NO. 733232
LOCATION 235. 34E. 20. 34.	WELL TAG ID NO. NA	PAGE 2 OF 2

FEMA National Flood Hazard Layer (NFHL)



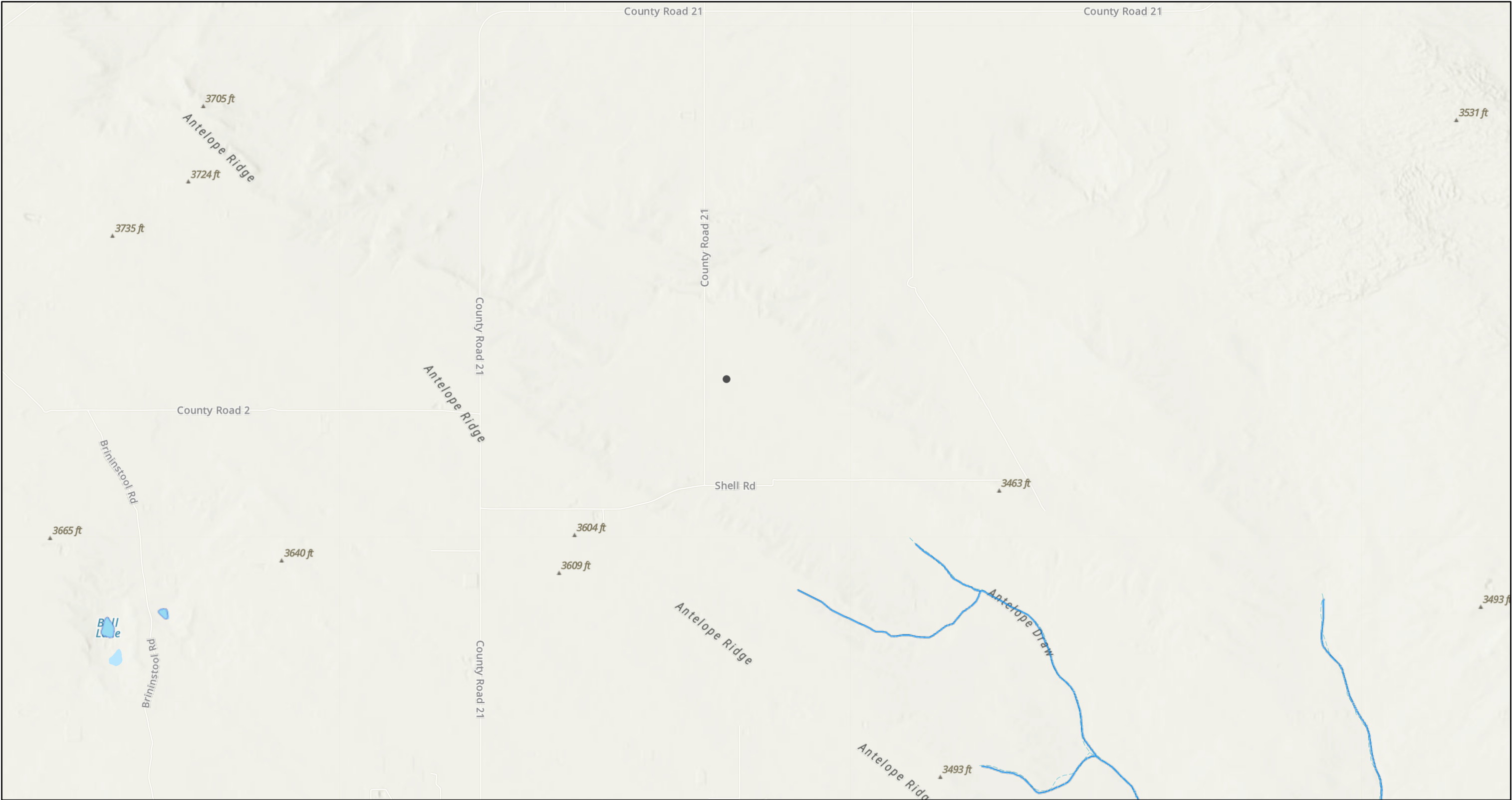
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

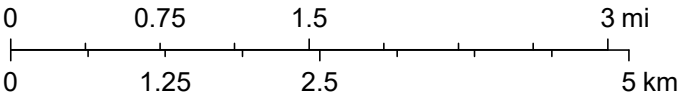
BONANZA FEDERAL #001 (07.15.2024)



7/24/2024, 3:39:20 PM

- OSW Water Bodys
- OSE Streams

1:72,224



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, NM OSE

APPENDIX E

CARMONA RESOURCES





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 8/11/2024 11:38:42 PM

JOB DESCRIPTION

BONANZA FEDERAL #001
Eddy Co, NM

JOB NUMBER

880-46898-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

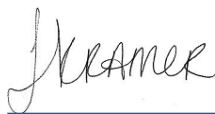
Eurofins Midland

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
8/11/2024 11:38:42 PM

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

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Laboratory Job ID: 880-46898-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project: BONANZA FEDERAL #001

Job ID: 880-46898-1

Job ID: 880-46898-1

Eurofins Midland

**Job Narrative
880-46898-1**

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 8/5/2024 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

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: S-1 (0-0.5') (880-46898-1), S-1 (1.0') (880-46898-2), S-1 (1.5') (880-46898-3), S-1 (2.0') (880-46898-4), S-1 (3.0') R (880-46898-5), S-2 (0-0.5'') (880-46898-6), S-2 (1.0') (880-46898-7), S-2 (1.5') (880-46898-8), S-2 (2.0') (880-46898-9), S-2 (3.0') (880-46898-10), S-2 (4.0') R (880-46898-11), S-3 (0-0.5'') (880-46898-12), S-3 (1.0') (880-46898-13), S-3 (1.5') (880-46898-14), S-3 (2.0') (880-46898-15), S-3 (3.0') (880-46898-16), S-3 (4.0') R (880-46898-17) and (880-46898-A-1-F MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87683 and analytical batch 880-87733 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46898-1

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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		08/06/24 12:29	08/07/24 22:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/07/24 22:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/07/24 22:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/07/24 22:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/07/24 22:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/07/24 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/06/24 12:29	08/07/24 22:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/06/24 12:29	08/07/24 22:41	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			08/07/24 22:41	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			08/08/24 10:16	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		08/06/24 13:13	08/08/24 10:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 10:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130	08/06/24 13:13	08/08/24 10:16	1
o-Terphenyl	182	S1+	70 - 130	08/06/24 13:13	08/08/24 10:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.62		4.96		mg/Kg			08/08/24 02:23	1

Client Sample ID: S-1 (1.0')

Lab Sample ID: 880-46898-2

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 23:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 23:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 23:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/06/24 12:29	08/07/24 23:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 23:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/06/24 12:29	08/07/24 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/06/24 12:29	08/07/24 23:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/06/24 12:29	08/07/24 23:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.0')

Lab Sample ID: 880-46898-2

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/07/24 23:02	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			08/08/24 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 11:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 11:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				08/06/24 13:13	08/08/24 11:59	1
o-Terphenyl	175	S1+	70 - 130				08/06/24 13:13	08/08/24 11:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.20		4.98		mg/Kg			08/08/24 02:29	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-46898-3

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/07/24 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:29	08/07/24 23:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/07/24 23:22	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			08/07/24 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<0.499	U	0.499		mg/Kg			08/08/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.499	U	0.499		mg/Kg		08/06/24 13:13	08/08/24 12:19	1
Diesel Range Organics (Over C10-C28)	<0.499	U	0.499		mg/Kg		08/06/24 13:13	08/08/24 12:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-46898-3

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<0.499	U	0.499		mg/Kg		08/06/24 13:13	08/08/24 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				08/06/24 13:13	08/08/24 12:19	1
o-Terphenyl	173	S1+	70 - 130				08/06/24 13:13	08/08/24 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.80		4.97		mg/Kg			08/08/24 02:35	1

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-46898-4

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/06/24 12:29	08/07/24 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:29	08/07/24 23:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/07/24 23:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/24 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 12:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 12:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				08/06/24 13:13	08/08/24 12:40	1
o-Terphenyl	150	S1+	70 - 130				08/06/24 13:13	08/08/24 12:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.15		5.02		mg/Kg			08/08/24 02:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.0') R

Lab Sample ID: 880-46898-5

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 00:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 00:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 00:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 00:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 00:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/06/24 12:29	08/08/24 00:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/06/24 12:29	08/08/24 00:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/08/24 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 13:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 13:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	08/06/24 13:13	08/08/24 13:01	1
o-Terphenyl	174	S1+	70 - 130	08/06/24 13:13	08/08/24 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.01		4.98		mg/Kg			08/08/24 03:00	1

Client Sample ID: S-2 (0-0.5")

Lab Sample ID: 880-46898-6

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 00:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 00:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 00:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 00:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 00:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/06/24 12:29	08/08/24 00:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/06/24 12:29	08/08/24 00:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-0.5")

Lab Sample ID: 880-46898-6

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/08/24 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 13:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 13:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				08/06/24 13:13	08/08/24 13:21	1
o-Terphenyl	178	S1+	70 - 130				08/06/24 13:13	08/08/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4060		25.1		mg/Kg			08/08/24 03:06	5

Client Sample ID: S-2 (1.0')

Lab Sample ID: 880-46898-7

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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		08/06/24 12:29	08/08/24 00:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 00:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 00:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 00:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 00:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:29	08/08/24 00:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/08/24 00:45	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			08/08/24 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 13:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 13:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 13:42	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	143	S1+	70 - 130				08/06/24 13:13	08/08/24 13:42	1	
o-Terphenyl	162	S1+	70 - 130				08/06/24 13:13	08/08/24 13:42	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	912		4.97		mg/Kg			08/08/24 03:12	1	

Client Sample ID: S-2 (1.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
Toluene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/06/24 12:29	08/08/24 01:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				08/06/24 12:29	08/08/24 01:05	1	
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:29	08/08/24 01:05	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/08/24 01:05	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 14:02	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/06/24 13:13	08/08/24 14:02	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/06/24 13:13	08/08/24 14:02	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 13:13	08/08/24 14:02	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	148	S1+	70 - 130				08/06/24 13:13	08/08/24 14:02	1	
o-Terphenyl	166	S1+	70 - 130				08/06/24 13:13	08/08/24 14:02	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1500		25.1		mg/Kg			08/08/24 03:18	5	

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-46898-9

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 01:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/06/24 12:29	08/08/24 01:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/06/24 12:29	08/08/24 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 14:23	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	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 14:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 14:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130	08/06/24 13:13	08/08/24 14:23	1
o-Terphenyl	164	S1+	70 - 130	08/06/24 13:13	08/08/24 14:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	645		4.98		mg/Kg			08/08/24 03:24	1

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-46898-10

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 01:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 01:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/06/24 12:29	08/08/24 01:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/06/24 12:29	08/08/24 01:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-46898-10

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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			08/08/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/08/24 14:44	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	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 14:44	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 14:44	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/06/24 13:13	08/08/24 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				08/06/24 13:13	08/08/24 14:44	1
o-Terphenyl	162	S1+	70 - 130				08/06/24 13:13	08/08/24 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8	F1	4.97		mg/Kg			08/08/24 03:30	1

Client Sample ID: S-2 (4.0') R

Lab Sample ID: 880-46898-11

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/06/24 12:29	08/08/24 03:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:29	08/08/24 03:21	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			08/08/24 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (4.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	142	S1+	70 - 130				08/06/24 13:13	08/08/24 15:25	1	
o-Terphenyl	160	S1+	70 - 130				08/06/24 13:13	08/08/24 15:25	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	11.1		5.03		mg/Kg			08/08/24 03:48	1	

Client Sample ID: S-3 (0-0.5")
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 03:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:29	08/08/24 03:41	1	
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/08/24 03:41	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			08/08/24 03:41	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 15:46	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:46	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:46	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 15:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	157	S1+	70 - 130				08/06/24 13:13	08/08/24 15:46	1	
o-Terphenyl	172	S1+	70 - 130				08/06/24 13:13	08/08/24 15:46	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8210		50.1		mg/Kg			08/08/24 03:54	10	

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.0')

Lab Sample ID: 880-46898-13

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 04:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/06/24 12:29	08/08/24 04:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/06/24 12:29	08/08/24 04:02	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			08/08/24 04:02	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			08/08/24 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	08/06/24 13:13	08/08/24 16:06	1
o-Terphenyl	165	S1+	70 - 130	08/06/24 13:13	08/08/24 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2580		25.3		mg/Kg			08/08/24 04:12	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-46898-14

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 04:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:29	08/08/24 04:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:29	08/08/24 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/06/24 12:29	08/08/24 04:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/06/24 12:29	08/08/24 04:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-46898-14

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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			08/08/24 04:22	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			08/08/24 16:27	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		08/06/24 13:13	08/08/24 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/06/24 13:13	08/08/24 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 13:13	08/08/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				08/06/24 13:13	08/08/24 16:27	1
o-Terphenyl	154	S1+	70 - 130				08/06/24 13:13	08/08/24 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2110		24.9		mg/Kg			08/08/24 05:41	5

Client Sample ID: S-3 (2.0')

Lab Sample ID: 880-46898-15

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 12:29	08/08/24 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:29	08/08/24 04:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/08/24 04:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/08/24 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 16:48	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	<49.9	U	49.9		mg/Kg		08/06/24 13:13	08/08/24 16:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/06/24 13:13	08/08/24 16:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (2.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 13:13	08/08/24 16:48	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	152	S1+	70 - 130				08/06/24 13:13	08/08/24 16:48	1	
o-Terphenyl	167	S1+	70 - 130				08/06/24 13:13	08/08/24 16:48	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8520		100		mg/Kg			08/08/24 05:46	20	

Client Sample ID: S-3 (3.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:29	08/08/24 05:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:29	08/08/24 05:03	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				08/06/24 12:29	08/08/24 05:03	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			08/08/24 05:03	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 17:08	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 17:08	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 17:08	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 13:13	08/08/24 17:08	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	159	S1+	70 - 130				08/06/24 13:13	08/08/24 17:08	1	
o-Terphenyl	170	S1+	70 - 130				08/06/24 13:13	08/08/24 17:08	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	10100		99.2		mg/Kg			08/08/24 06:02	20	

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Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (4.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-17
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/06/24 12:29	08/08/24 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/06/24 12:29	08/08/24 05:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:29	08/08/24 05:24	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			08/08/24 05:24	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			08/08/24 17:29	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		08/06/24 13:13	08/08/24 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/06/24 13:13	08/08/24 17:29	1
o-Terphenyl	170	S1+	70 - 130				08/06/24 13:13	08/08/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11900		99.6		mg/Kg			08/08/24 06:07	20

Surrogate Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
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)				
880-46898-1	S-1 (0-0.5')	106	100				
880-46898-1 MS	S-1 (0-0.5')	105	98				
880-46898-1 MSD	S-1 (0-0.5')	106	99				
880-46898-2	S-1 (1.0')	109	101				
880-46898-3	S-1 (1.5')	106	100				
880-46898-4	S-1 (2.0')	107	100				
880-46898-5	S-1 (3.0') R	107	101				
880-46898-6	S-2 (0-0.5")	109	101				
880-46898-7	S-2 (1.0')	107	100				
880-46898-8	S-2 (1.5')	110	101				
880-46898-9	S-2 (2.0')	110	100				
880-46898-10	S-2 (3.0')	107	100				
880-46898-11	S-2 (4.0') R	110	101				
880-46898-12	S-3 (0-0.5")	109	100				
880-46898-13	S-3 (1.0')	108	100				
880-46898-14	S-3 (1.5')	107	100				
880-46898-15	S-3 (2.0')	109	100				
880-46898-16	S-3 (3.0')	108	99				
880-46898-17	S-3 (4.0') R	110	100				
LCS 880-87637/1-A	Lab Control Sample	103	98				
LCSD 880-87637/2-A	Lab Control Sample Dup	105	98				
MB 880-87637/5-A	Method Blank	102	96				
MB 880-87641/5-A	Method Blank	100	96				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-46898-1	S-1 (0-0.5')	167 S1+	182 S1+				
880-46898-1 MS	S-1 (0-0.5')	115	116				
880-46898-1 MSD	S-1 (0-0.5')	137 S1+	141 S1+				
880-46898-2	S-1 (1.0')	152 S1+	175 S1+				
880-46898-3	S-1 (1.5')	155 S1+	173 S1+				
880-46898-4	S-1 (2.0')	142 S1+	150 S1+				
880-46898-5	S-1 (3.0') R	149 S1+	174 S1+				
880-46898-6	S-2 (0-0.5")	155 S1+	178 S1+				
880-46898-7	S-2 (1.0')	143 S1+	162 S1+				
880-46898-8	S-2 (1.5')	148 S1+	166 S1+				
880-46898-9	S-2 (2.0')	153 S1+	164 S1+				
880-46898-10	S-2 (3.0')	147 S1+	162 S1+				
880-46898-11	S-2 (4.0') R	142 S1+	160 S1+				
880-46898-12	S-3 (0-0.5")	157 S1+	172 S1+				
880-46898-13	S-3 (1.0')	148 S1+	165 S1+				
880-46898-14	S-3 (1.5')	136 S1+	154 S1+				

Surrogate Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46898-15	S-3 (2.0')	152 S1+	167 S1+
880-46898-16	S-3 (3.0')	159 S1+	170 S1+
880-46898-17	S-3 (4.0') R	153 S1+	170 S1+
LCS 880-87648/2-A	Lab Control Sample	87	92
LCSD 880-87648/3-A	Lab Control Sample Dup	94	103
MB 880-87648/1-A	Method Blank	87	95
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87637/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87706							Prep Batch: 87637		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 12:29	08/07/24 22:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/06/24 12:29	08/07/24 22:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/06/24 12:29	08/07/24 22:19	1

Lab Sample ID: LCS 880-87637/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87706							Prep Batch: 87637		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.09683		mg/Kg		97	70 - 130	
Toluene		0.100	0.1006		mg/Kg		101	70 - 130	
Ethylbenzene		0.100	0.1019		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene		0.200	0.2073		mg/Kg		104	70 - 130	
o-Xylene		0.100	0.1046		mg/Kg		105	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: LCSD 880-87637/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87706							Prep Batch: 87637			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09806		mg/Kg		98	70 - 130	1	35
Toluene		0.100	0.1020		mg/Kg		102	70 - 130	1	35
Ethylbenzene		0.100	0.1028		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene		0.200	0.2102		mg/Kg		105	70 - 130	1	35
o-Xylene		0.100	0.1058		mg/Kg		106	70 - 130	1	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	105		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-46898-1 MS							Client Sample ID: S-1 (0-0.5')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 87706							Prep Batch: 87637		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08968		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.0998	0.09263		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46898-1 MS
Matrix: Solid
Analysis Batch: 87706

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.09320		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1883		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09524		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 880-46898-1 MSD
Matrix: Solid
Analysis Batch: 87706

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08847		mg/Kg		88	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09210		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09411		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1915		mg/Kg		96	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09608		mg/Kg		96	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 880-87641/5-A
Matrix: Solid
Analysis Batch: 87706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

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

Lab Sample ID: MB 880-87648/1-A
Matrix: Solid
Analysis Batch: 87810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87648

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		08/06/24 13:13	08/08/24 07:53	1

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QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-87648/1-A
Matrix: Solid
Analysis Batch: 87810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87648

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 13:13	08/08/24 07:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	08/06/24 13:13	08/08/24 07:53	1
o-Terphenyl	95		70 - 130	08/06/24 13:13	08/08/24 07:53	1

Lab Sample ID: LCS 880-87648/2-A
Matrix: Solid
Analysis Batch: 87810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	803.5		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	764.4		mg/Kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-87648/3-A
Matrix: Solid
Analysis Batch: 87810

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87648

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	842.6		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	799.9		mg/Kg		80	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-46898-1 MS
Matrix: Solid
Analysis Batch: 87810

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87648

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	1156		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	741.7		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	116		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46898-1 MSD

Matrix: Solid

Analysis Batch: 87810

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

Prep Type: Total/NA

Prep Batch: 87648

[illegible]

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87683/1-A

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			08/08/24 01:47	1

Lab Sample ID: LCS 880-87683/2-A

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-87683/3-A

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

				Spike	LCS	LCS				%Rec	RPD	
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride				250	246.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-46898-10 MS

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: S-2 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	96.8	F1	249	372.9	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-46898-10 MSD

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: S-2 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	96.8	F1	249	373.0	F1	mg/Kg	-	111	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-87684/1-A Matrix: Solid Analysis Batch: 87738										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			08/08/24 04:59	1		

Lab Sample ID: LCS 880-87684/2-A Matrix: Solid Analysis Batch: 87738										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-87684/3-A Matrix: Solid Analysis Batch: 87738										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	252.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-46896-A-1-B MS Matrix: Solid Analysis Batch: 87738										Client Sample ID: Matrix Spike Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	101		251	355.5		mg/Kg		101	90 - 110		

Lab Sample ID: 880-46896-A-1-C MSD Matrix: Solid Analysis Batch: 87738										Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	101		251	357.7		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 87637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-46898-2	S-1 (1.0')	Total/NA	Solid	5035	
880-46898-3	S-1 (1.5')	Total/NA	Solid	5035	
880-46898-4	S-1 (2.0')	Total/NA	Solid	5035	
880-46898-5	S-1 (3.0') R	Total/NA	Solid	5035	
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	5035	
880-46898-7	S-2 (1.0')	Total/NA	Solid	5035	
880-46898-8	S-2 (1.5')	Total/NA	Solid	5035	
880-46898-9	S-2 (2.0')	Total/NA	Solid	5035	
880-46898-10	S-2 (3.0')	Total/NA	Solid	5035	
880-46898-11	S-2 (4.0') R	Total/NA	Solid	5035	
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	5035	
880-46898-13	S-3 (1.0')	Total/NA	Solid	5035	
880-46898-14	S-3 (1.5')	Total/NA	Solid	5035	
880-46898-15	S-3 (2.0')	Total/NA	Solid	5035	
880-46898-16	S-3 (3.0')	Total/NA	Solid	5035	
880-46898-17	S-3 (4.0') R	Total/NA	Solid	5035	
MB 880-87637/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87637/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87637/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46898-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-46898-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 87641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87641/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 87706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	8021B	87637
880-46898-2	S-1 (1.0')	Total/NA	Solid	8021B	87637
880-46898-3	S-1 (1.5')	Total/NA	Solid	8021B	87637
880-46898-4	S-1 (2.0')	Total/NA	Solid	8021B	87637
880-46898-5	S-1 (3.0') R	Total/NA	Solid	8021B	87637
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	8021B	87637
880-46898-7	S-2 (1.0')	Total/NA	Solid	8021B	87637
880-46898-8	S-2 (1.5')	Total/NA	Solid	8021B	87637
880-46898-9	S-2 (2.0')	Total/NA	Solid	8021B	87637
880-46898-10	S-2 (3.0')	Total/NA	Solid	8021B	87637
880-46898-11	S-2 (4.0') R	Total/NA	Solid	8021B	87637
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	8021B	87637
880-46898-13	S-3 (1.0')	Total/NA	Solid	8021B	87637
880-46898-14	S-3 (1.5')	Total/NA	Solid	8021B	87637
880-46898-15	S-3 (2.0')	Total/NA	Solid	8021B	87637
880-46898-16	S-3 (3.0')	Total/NA	Solid	8021B	87637
880-46898-17	S-3 (4.0') R	Total/NA	Solid	8021B	87637
MB 880-87637/5-A	Method Blank	Total/NA	Solid	8021B	87637
MB 880-87641/5-A	Method Blank	Total/NA	Solid	8021B	87641
LCS 880-87637/1-A	Lab Control Sample	Total/NA	Solid	8021B	87637
LCSD 880-87637/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87637
880-46898-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	87637

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QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 87706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	87637

Analysis Batch: 87905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46898-2	S-1 (1.0')	Total/NA	Solid	Total BTEX	
880-46898-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-46898-4	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-46898-5	S-1 (3.0') R	Total/NA	Solid	Total BTEX	
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	Total BTEX	
880-46898-7	S-2 (1.0')	Total/NA	Solid	Total BTEX	
880-46898-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-46898-9	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-46898-10	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-46898-11	S-2 (4.0') R	Total/NA	Solid	Total BTEX	
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	Total BTEX	
880-46898-13	S-3 (1.0')	Total/NA	Solid	Total BTEX	
880-46898-14	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-46898-15	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-46898-16	S-3 (3.0')	Total/NA	Solid	Total BTEX	
880-46898-17	S-3 (4.0') R	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46898-2	S-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-46898-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-46898-4	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-46898-5	S-1 (3.0') R	Total/NA	Solid	8015NM Prep	
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	8015NM Prep	
880-46898-7	S-2 (1.0')	Total/NA	Solid	8015NM Prep	
880-46898-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-46898-9	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-46898-10	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-46898-11	S-2 (4.0') R	Total/NA	Solid	8015NM Prep	
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	8015NM Prep	
880-46898-13	S-3 (1.0')	Total/NA	Solid	8015NM Prep	
880-46898-14	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-46898-15	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-46898-16	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-46898-17	S-3 (4.0') R	Total/NA	Solid	8015NM Prep	
MB 880-87648/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87648/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87648/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46898-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46898-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 87810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	87648
880-46898-2	S-1 (1.0')	Total/NA	Solid	8015B NM	87648
880-46898-3	S-1 (1.5')	Total/NA	Solid	8015B NM	87648
880-46898-4	S-1 (2.0')	Total/NA	Solid	8015B NM	87648
880-46898-5	S-1 (3.0') R	Total/NA	Solid	8015B NM	87648
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	8015B NM	87648
880-46898-7	S-2 (1.0')	Total/NA	Solid	8015B NM	87648
880-46898-8	S-2 (1.5')	Total/NA	Solid	8015B NM	87648
880-46898-9	S-2 (2.0')	Total/NA	Solid	8015B NM	87648
880-46898-10	S-2 (3.0')	Total/NA	Solid	8015B NM	87648
880-46898-11	S-2 (4.0') R	Total/NA	Solid	8015B NM	87648
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	8015B NM	87648
880-46898-13	S-3 (1.0')	Total/NA	Solid	8015B NM	87648
880-46898-14	S-3 (1.5')	Total/NA	Solid	8015B NM	87648
880-46898-15	S-3 (2.0')	Total/NA	Solid	8015B NM	87648
880-46898-16	S-3 (3.0')	Total/NA	Solid	8015B NM	87648
880-46898-17	S-3 (4.0') R	Total/NA	Solid	8015B NM	87648
MB 880-87648/1-A	Method Blank	Total/NA	Solid	8015B NM	87648
LCS 880-87648/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87648
LCSD 880-87648/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87648
880-46898-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	87648
880-46898-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	87648

Analysis Batch: 88124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-46898-2	S-1 (1.0')	Total/NA	Solid	8015 NM	
880-46898-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-46898-4	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-46898-5	S-1 (3.0') R	Total/NA	Solid	8015 NM	
880-46898-6	S-2 (0-0.5")	Total/NA	Solid	8015 NM	
880-46898-7	S-2 (1.0')	Total/NA	Solid	8015 NM	
880-46898-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-46898-9	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-46898-10	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-46898-11	S-2 (4.0') R	Total/NA	Solid	8015 NM	
880-46898-12	S-3 (0-0.5")	Total/NA	Solid	8015 NM	
880-46898-13	S-3 (1.0')	Total/NA	Solid	8015 NM	
880-46898-14	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-46898-15	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-46898-16	S-3 (3.0')	Total/NA	Solid	8015 NM	
880-46898-17	S-3 (4.0') R	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-46898-2	S-1 (1.0')	Soluble	Solid	DI Leach	
880-46898-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-46898-4	S-1 (2.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 87683 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-5	S-1 (3.0') R	Soluble	Solid	DI Leach	
880-46898-6	S-2 (0-0.5")	Soluble	Solid	DI Leach	
880-46898-7	S-2 (1.0')	Soluble	Solid	DI Leach	
880-46898-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-46898-9	S-2 (2.0')	Soluble	Solid	DI Leach	
880-46898-10	S-2 (3.0')	Soluble	Solid	DI Leach	
880-46898-11	S-2 (4.0') R	Soluble	Solid	DI Leach	
880-46898-12	S-3 (0-0.5")	Soluble	Solid	DI Leach	
880-46898-13	S-3 (1.0')	Soluble	Solid	DI Leach	
MB 880-87683/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87683/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87683/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46898-10 MS	S-2 (3.0')	Soluble	Solid	DI Leach	
880-46898-10 MSD	S-2 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 87684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-14	S-3 (1.5')	Soluble	Solid	DI Leach	
880-46898-15	S-3 (2.0')	Soluble	Solid	DI Leach	
880-46898-16	S-3 (3.0')	Soluble	Solid	DI Leach	
880-46898-17	S-3 (4.0') R	Soluble	Solid	DI Leach	
MB 880-87684/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87684/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87684/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46896-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-46896-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 87733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-1	S-1 (0-0.5')	Soluble	Solid	300.0	87683
880-46898-2	S-1 (1.0')	Soluble	Solid	300.0	87683
880-46898-3	S-1 (1.5')	Soluble	Solid	300.0	87683
880-46898-4	S-1 (2.0')	Soluble	Solid	300.0	87683
880-46898-5	S-1 (3.0') R	Soluble	Solid	300.0	87683
880-46898-6	S-2 (0-0.5")	Soluble	Solid	300.0	87683
880-46898-7	S-2 (1.0')	Soluble	Solid	300.0	87683
880-46898-8	S-2 (1.5')	Soluble	Solid	300.0	87683
880-46898-9	S-2 (2.0')	Soluble	Solid	300.0	87683
880-46898-10	S-2 (3.0')	Soluble	Solid	300.0	87683
880-46898-11	S-2 (4.0') R	Soluble	Solid	300.0	87683
880-46898-12	S-3 (0-0.5")	Soluble	Solid	300.0	87683
880-46898-13	S-3 (1.0')	Soluble	Solid	300.0	87683
MB 880-87683/1-A	Method Blank	Soluble	Solid	300.0	87683
LCS 880-87683/2-A	Lab Control Sample	Soluble	Solid	300.0	87683
LCSD 880-87683/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87683
880-46898-10 MS	S-2 (3.0')	Soluble	Solid	300.0	87683
880-46898-10 MSD	S-2 (3.0')	Soluble	Solid	300.0	87683

Analysis Batch: 87738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-14	S-3 (1.5')	Soluble	Solid	300.0	87684

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 87738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46898-15	S-3 (2.0')	Soluble	Solid	300.0	87684
880-46898-16	S-3 (3.0')	Soluble	Solid	300.0	87684
880-46898-17	S-3 (4.0') R	Soluble	Solid	300.0	87684
MB 880-87684/1-A	Method Blank	Soluble	Solid	300.0	87684
LCS 880-87684/2-A	Lab Control Sample	Soluble	Solid	300.0	87684
LCSD 880-87684/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87684
880-46896-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	87684
880-46896-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	87684

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 22:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/07/24 22:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 10:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 02:23	CH	EET MID

Client Sample ID: S-1 (1.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/07/24 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 11:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 02:29	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/07/24 23:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			1003 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 02:35	CH	EET MID

Client Sample ID: S-1 (2.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 23:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/07/24 23:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88124	08/08/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 02:42	CH	EET MID

Client Sample ID: S-1 (3.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 00:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 13:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 03:00	CH	EET MID

Client Sample ID: S-2 (0-0.5")
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 00:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 00:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 13:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87733	08/08/24 03:06	CH	EET MID

Client Sample ID: S-2 (1.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 00:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 13:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 03:12	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-8
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			4.95 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87733	08/08/24 03:18	CH	EET MID

Client Sample ID: S-2 (2.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-9
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			5.02 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 01:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 14:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 03:24	CH	EET MID

Client Sample ID: S-2 (3.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-10
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			5.03 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 14:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 03:30	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (4.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 03:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 15:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 03:48	CH	EET MID

Client Sample ID: S-3 (0-0.5")
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 03:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 15:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 15:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87733	08/08/24 03:54	CH	EET MID

Client Sample ID: S-3 (1.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 04:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 16:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 16:06	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87733	08/08/24 04:12	CH	EET MID

Client Sample ID: S-3 (1.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 04:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-14
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			88124	08/08/24 16:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 16:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87684	08/06/24 16:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87738	08/08/24 05:41	CH	EET MID

Client Sample ID: S-3 (2.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 04:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 04:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 16:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87684	08/06/24 16:05	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	87738	08/08/24 05:46	CH	EET MID

Client Sample ID: S-3 (3.0')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-16
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			4.97 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 05:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 17:08	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87684	08/06/24 16:05	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	87738	08/08/24 06:02	CH	EET MID

Client Sample ID: S-3 (4.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-17
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			4.99 g	5 mL	87637	08/06/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/08/24 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87905	08/08/24 05:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			88124	08/08/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87648	08/06/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87810	08/08/24 17:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (4.0') R
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46898-17
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			5.02 g	50 mL	87684	08/06/24 16:05	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	87738	08/08/24 06:07	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46898-1
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: BONANZA FEDERAL #001

Job ID: 880-46898-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46898-1	S-1 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-2	S-1 (1.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-3	S-1 (1.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-4	S-1 (2.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-5	S-1 (3.0') R	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-6	S-2 (0-0.5")	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-7	S-2 (1.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-8	S-2 (1.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-9	S-2 (2.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-10	S-2 (3.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-11	S-2 (4.0') R	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-12	S-3 (0-0.5")	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-13	S-3 (1.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-14	S-3 (1.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-15	S-3 (2.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-16	S-3 (3.0')	Solid	08/05/24 00:00	08/05/24 16:20
880-46898-17	S-3 (4.0') R	Solid	08/05/24 00:00	08/05/24 16:20





880-46898 Chain of Custody

W

Page 1 of 2

Project Manager:		Ashton Thielke		Bill to: (if different)		Carmona Resources	
Company Name:		Carmona Resources		Company Name:			
Address:		310 West Wall Ste. 500		Address:			
City, State ZIP:		Midland, TX 79701		City, State ZIP:			
Phone:		432-813-8988		Email:		ThielkeA@Carmonaresources.com	

Project Name:		BONANZA FEDERAL #001		Turn Around		Pres. Code	
Project Number:		2485		☒ Routine ☐ Rush			
Project Location:		Eddy Co, NM		Due Date:		Normal	
Sampler's Name:		GPJ		TAT starts the day received by the lab, if received by 4:30pm			
PO #:							

ANALYSIS REQUEST										Preservative Codes	
Parameters										None: NO	
BTEX 8021B										Cool: Cool	
TPH 8015M (GRO + DRO + MRO)										HCL: HC	
Chloride 300.0										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	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
S-1 (0-0.5')	8/5/2024		X		G	1
S-1 (1.0')	8/5/2024		X		G	1
S-1 (1.5')	8/5/2024		X		G	1
S-1 (2.0')	8/5/2024		X		G	1
S-1 (3.0') R	8/5/2024		X		G	1
S-2 (0-0.5')	8/5/2024		X		G	1
S-2 (1.0')	8/5/2024		X		G	1
S-2 (1.5')	8/5/2024		X		G	1
S-2 (2.0')	8/5/2024		X		G	1
S-2 (3.0')	8/5/2024		X		G	1

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Revised Date 05/01/2020 Rev. 2020.1

Chain of Custody

Work Order No:

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		25/01/2022			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46898-1
SDG Number: Eddy Co, NM

Login Number: 46898
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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/8/2024 12:09:03 PM

JOB DESCRIPTION

BONANZA FEDERAL #001
Eddy Co, NM

JOB NUMBER

880-46897-1

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
8/8/2024 12:09:03 PM

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

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Laboratory Job ID: 880-46897-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
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: BONANZA FEDERAL #001

Job ID: 880-46897-1

Job ID: 880-46897-1

Eurofins Midland

Job Narrative 880-46897-1

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 8/5/2024 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87595 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV have a qualifying CCV 10 samples before and 10 samples afterward, and they are thereby reported without issue.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (885-9143-A-28-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-1 (0-0.5') (880-46897-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46897-1

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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		08/07/24 08:51	08/07/24 11:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 08:51	08/07/24 11:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 08:51	08/07/24 11:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 08:51	08/07/24 11:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 08:51	08/07/24 11:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 08:51	08/07/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/07/24 08:51	08/07/24 11:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/07/24 08:51	08/07/24 11:33	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			08/07/24 11:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.9		49.8		mg/Kg			08/07/24 09:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 10:46	08/07/24 09:41	1
Diesel Range Organics (Over C10-C28)	66.9		49.8		mg/Kg		08/06/24 10:46	08/07/24 09:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 10:46	08/07/24 09:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/06/24 10:46	08/07/24 09:41	1
o-Terphenyl	217	S1+	70 - 130				08/06/24 10:46	08/07/24 09:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.0		4.96		mg/Kg			08/07/24 20:27	1

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

Lab Sample ID: 880-46897-2

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/07/24 08:51	08/07/24 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/07/24 08:51	08/07/24 11:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/07/24 08:51	08/07/24 11:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46897-2

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/07/24 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/07/24 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 10:46	08/07/24 09:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 10:46	08/07/24 09:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 10:46	08/07/24 09:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/06/24 10:46	08/07/24 09:59	1
o-Terphenyl	116		70 - 130				08/06/24 10:46	08/07/24 09:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		5.02		mg/Kg			08/07/24 20:45	1

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

Lab Sample ID: 880-46897-3

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 08:51	08/07/24 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/07/24 08:51	08/07/24 12:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/07/24 08:51	08/07/24 12:14	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			08/07/24 12:14	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			08/07/24 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/06/24 10:46	08/07/24 10:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/06/24 10:46	08/07/24 10:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46897-3

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 10:46	08/07/24 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/06/24 10:46	08/07/24 10:16	1
o-Terphenyl	116		70 - 130				08/06/24 10:46	08/07/24 10:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.5		5.05		mg/Kg			08/07/24 20:51	1

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

Lab Sample ID: 880-46897-4

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/07/24 08:51	08/07/24 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/07/24 08:51	08/07/24 12:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/07/24 08:51	08/07/24 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/24 12:35	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			08/07/24 10:35	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		08/06/24 10:46	08/07/24 10:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/06/24 10:46	08/07/24 10:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 10:46	08/07/24 10:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/06/24 10:46	08/07/24 10:35	1
o-Terphenyl	112		70 - 130				08/06/24 10:46	08/07/24 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		5.04		mg/Kg			08/07/24 21:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46897-5

Date Collected: 08/05/24 00:00

Matrix: Solid

Date Received: 08/05/24 16:20

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 08:51	08/07/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/07/24 08:51	08/07/24 12:56	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/07/24 08:51	08/07/24 12:56	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			08/07/24 12:56	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			08/07/24 10:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 10:46	08/07/24 10:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/06/24 10:46	08/07/24 10:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 10:46	08/07/24 10:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/06/24 10:46	08/07/24 10:53	1
o-Terphenyl	113		70 - 130				08/06/24 10:46	08/07/24 10:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.73		4.96		mg/Kg			08/08/24 02:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
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)
880-46897-1	H-1 (0-0.5')	106	97
880-46897-1 MS	H-1 (0-0.5')	104	101
880-46897-1 MSD	H-1 (0-0.5')	109	99
880-46897-2	H-2 (0-0.5')	106	98
880-46897-3	H-3 (0-0.5')	102	96
880-46897-4	H-4 (0-0.5')	109	97
880-46897-5	H-5 (0-0.5')	105	97
LCS 880-87718/1-A	Lab Control Sample	108	101
LCSD 880-87718/2-A	Lab Control Sample Dup	105	100
MB 880-87718/5-A	Method Blank	103	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)
880-46897-1	H-1 (0-0.5')	124	217 S1+
880-46897-2	H-2 (0-0.5')	126	116
880-46897-3	H-3 (0-0.5')	130	116
880-46897-4	H-4 (0-0.5')	123	112
880-46897-5	H-5 (0-0.5')	129	113
885-9143-A-28-B MS	Matrix Spike	130	124
885-9143-A-28-C MSD	Matrix Spike Duplicate	129	124
LCS 880-87612/2-A	Lab Control Sample	103	95
LCSD 880-87612/3-A	Lab Control Sample Dup	105	99
MB 880-87612/1-A	Method Blank	91	85
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87718/5-A

Matrix: Solid

Analysis Batch: 87707

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/07/24 08:51	08/07/24 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 08:51	08/07/24 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/07/24 08:51	08/07/24 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/07/24 08:51	08/07/24 11:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/07/24 08:51	08/07/24 11:11	1

Lab Sample ID: LCS 880-87718/1-A

Matrix: Solid

Analysis Batch: 87707

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1130		mg/Kg		113	70 - 130
Toluene	0.100	0.1028		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2261		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-87718/2-A

Matrix: Solid

Analysis Batch: 87707

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1021		mg/Kg		102	70 - 130	10	35
Toluene	0.100	0.09258		mg/Kg		93	70 - 130	10	35
Ethylbenzene	0.100	0.09634		mg/Kg		96	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130	11	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	10	35

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

Lab Sample ID: 880-46897-1 MS

Matrix: Solid

Analysis Batch: 87707

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

Prep Type: Total/NA

Prep Batch: 87718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09936		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.0998	0.08527		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-46897-1 MS
Matrix: Solid
Analysis Batch: 87707

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.08438		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1737		mg/Kg		87	70 - 130
o-Xylene	<0.00201	U	0.0998	0.08682		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 880-46897-1 MSD
Matrix: Solid
Analysis Batch: 87707

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09157		mg/Kg		91	70 - 130	8	35
Toluene	<0.00201	U	0.100	0.07837		mg/Kg		78	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.07835		mg/Kg		78	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1596		mg/Kg		80	70 - 130	8	35
o-Xylene	<0.00201	U	0.100	0.08038		mg/Kg		80	70 - 130	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-87612/1-A
Matrix: Solid
Analysis Batch: 87595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87612

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		08/06/24 10:46	08/06/24 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 10:46	08/06/24 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 10:46	08/06/24 20:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: LCS 880-87612/2-A
Matrix: Solid
Analysis Batch: 87595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.9		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-87612/2-A

Matrix: Solid

Analysis Batch: 87595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87612

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-87612/3-A

Matrix: Solid

Analysis Batch: 87595

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87612

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	966.0		mg/Kg		97	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 885-9143-A-28-B MS

Matrix: Solid

Analysis Batch: 87595

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87612

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	999	999.2		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	890.8		mg/Kg		89	70 - 130

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

Lab Sample ID: 885-9143-A-28-C MSD

Matrix: Solid

Analysis Batch: 87595

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87612

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	999	1001		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	875.6		mg/Kg		88	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	124		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87658/1-A

Matrix: Solid

Analysis Batch: 87682

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/07/24 18:45	1

Lab Sample ID: LCS 880-87658/2-A

Matrix: Solid

Analysis Batch: 87682

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-87658/3-A

Matrix: Solid

Analysis Batch: 87682

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	246.8		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-46897-1 MS

Matrix: Solid

Analysis Batch: 87682

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	57.0		248	304.1		mg/Kg		100	90 - 110

Lab Sample ID: 880-46897-1 MSD

Matrix: Solid

Analysis Batch: 87682

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.0		248	304.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-87683/1-A

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/08/24 01:47	1

Lab Sample ID: LCS 880-87683/2-A

Matrix: Solid

Analysis Batch: 87733

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-87683/3-A

Matrix: Solid

Analysis Batch: 87733

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	246.4		mg/Kg		99	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-46897-5 MS

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

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 87733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.73		248	245.1		mg/Kg		95	90 - 110

Lab Sample ID: 880-46897-5 MSD

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

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 87733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.73		248	242.8		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 87707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	8021B	87718
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	8021B	87718
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	8021B	87718
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	8021B	87718
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	8021B	87718
MB 880-87718/5-A	Method Blank	Total/NA	Solid	8021B	87718
LCS 880-87718/1-A	Lab Control Sample	Total/NA	Solid	8021B	87718
LCSD 880-87718/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87718
880-46897-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	87718
880-46897-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	87718

Prep Batch: 87718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-87718/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87718/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87718/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46897-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-46897-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 87828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 87595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	87612
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	87612
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	87612
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	87612
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	87612
MB 880-87612/1-A	Method Blank	Total/NA	Solid	8015B NM	87612
LCS 880-87612/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87612
LCSD 880-87612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87612
885-9143-A-28-B MS	Matrix Spike	Total/NA	Solid	8015B NM	87612
885-9143-A-28-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87612

Prep Batch: 87612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 87612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-87612/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87612/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87612/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-9143-A-28-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
885-9143-A-28-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-46897-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-46897-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-46897-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-46897-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-46897-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-46897-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-46897-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-87658/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87658/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87658/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46897-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-46897-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 87682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-1	H-1 (0-0.5')	Soluble	Solid	300.0	87658
880-46897-2	H-2 (0-0.5')	Soluble	Solid	300.0	87658
880-46897-3	H-3 (0-0.5')	Soluble	Solid	300.0	87658
880-46897-4	H-4 (0-0.5')	Soluble	Solid	300.0	87658
MB 880-87658/1-A	Method Blank	Soluble	Solid	300.0	87658
LCS 880-87658/2-A	Lab Control Sample	Soluble	Solid	300.0	87658
LCSD 880-87658/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87658
880-46897-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	87658
880-46897-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	87658

Leach Batch: 87683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-87683/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87683/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87683/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46897-5 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-46897-5 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 87733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46897-5	H-5 (0-0.5')	Soluble	Solid	300.0	87683
MB 880-87683/1-A	Method Blank	Soluble	Solid	300.0	87683
LCS 880-87683/2-A	Lab Control Sample	Soluble	Solid	300.0	87683
LCSD 880-87683/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87683
880-46897-5 MS	H-5 (0-0.5')	Soluble	Solid	300.0	87683
880-46897-5 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	87683

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Client Sample ID: H-1 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87718	08/07/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87707	08/07/24 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87828	08/07/24 11:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			87764	08/07/24 09:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87612	08/06/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/07/24 09:41	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:27	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87718	08/07/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87707	08/07/24 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87828	08/07/24 11:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			87764	08/07/24 09:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87612	08/06/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/07/24 09:59	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:45	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87718	08/07/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87707	08/07/24 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87828	08/07/24 12:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			87764	08/07/24 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87612	08/06/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/07/24 10:16	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 20:51	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87718	08/07/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87707	08/07/24 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87828	08/07/24 12:35	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87764	08/07/24 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87612	08/06/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/07/24 10:35	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87658	08/06/24 14:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87682	08/07/24 21:10	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 08/05/24 00:00
Date Received: 08/05/24 16:20

Lab Sample ID: 880-46897-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87718	08/07/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87707	08/07/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87828	08/07/24 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			87764	08/07/24 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87612	08/06/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/07/24 10:53	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87683	08/06/24 16:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87733	08/08/24 02:05	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: BONANZA FEDERAL #001

Job ID: 880-46897-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: BONANZA FEDERAL #001

Job ID: 880-46897-1
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: BONANZA FEDERAL #001

Job ID: 880-46897-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46897-1	H-1 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46897-2	H-2 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46897-3	H-3 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46897-4	H-4 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20
880-46897-5	H-5 (0-0.5')	Solid	08/05/24 00:00	08/05/24 16:20

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

Chain of Custody



880-46897 Chain of Custody

Page 1 of 1

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

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			5/5/14 1600			
3						
4						
5						

Revised Date 05/12/2020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46897-1

SDG Number: Eddy Co, NM

Login Number: 46897

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/11/2024 2:44:57 PM

JOB DESCRIPTION

Bonanza Federal #001
Eddy Co, NM

JOB NUMBER

880-49609-1

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



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10/11/2024 2:44:57 PM

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

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Laboratory Job ID: 880-49609-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

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: Bonanza Federal #001

Job ID: 880-49609-1

Job ID: 880-49609-1

Eurofins Midland

Job Narrative 880-49609-1

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

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

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

Receipt

The sample was received on 10/10/2024 8:21 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-92936 and analytical batch 880-92939 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92936 and analytical batch 880-92939 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-92947/2-A) and (LCSD 880-92947/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-93006 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-93006/21).

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Client Sample ID: Backfill-1
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49609-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/10/24 09:20	10/10/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/10/24 09:20	10/10/24 17:43	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/10/24 09:20	10/10/24 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/10/24 17:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/10/24 18:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 18:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 18:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/10/24 09:17	10/10/24 18:43	1
o-Terphenyl	105		70 - 130				10/10/24 09:17	10/10/24 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.02		5.02		mg/Kg			10/10/24 12:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
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)
880-49596-A-1-B MS	Matrix Spike	109	102
880-49596-A-1-C MSD	Matrix Spike Duplicate	109	98
880-49609-1	Backfill-1	110	108
LCS 880-92936/1-A	Lab Control Sample	103	97
LCSD 880-92936/2-A	Lab Control Sample Dup	110	98
MB 880-92936/5-A	Method Blank	155 S1+	112
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)
880-49609-1	Backfill-1	117	105
880-49609-1 MS	Backfill-1	107	106
880-49609-1 MSD	Backfill-1	106	107
LCS 880-92947/2-A	Lab Control Sample	102	158 S1+
LCSD 880-92947/3-A	Lab Control Sample Dup	102	155 S1+
MB 880-92947/1-A	Method Blank	112	105
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92936/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 92939							Prep Batch: 92936		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/24 08:08	10/10/24 11:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				10/10/24 08:08	10/10/24 11:37	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/10/24 08:08	10/10/24 11:37	1

Lab Sample ID: LCS 880-92936/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 92939							Prep Batch: 92936		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1056		mg/Kg		106	70 - 130	
Toluene		0.100	0.09978		mg/Kg		100	70 - 130	
Ethylbenzene		0.100	0.1069		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene		0.200	0.2473		mg/Kg		124	70 - 130	
o-Xylene		0.100	0.1247		mg/Kg		125	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-92936/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 92939							Prep Batch: 92936			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1100		mg/Kg		110	70 - 130	4	35
Toluene		0.100	0.1035		mg/Kg		104	70 - 130	4	35
Ethylbenzene		0.100	0.1176		mg/Kg		118	70 - 130	10	35
m-Xylene & p-Xylene		0.200	0.2574		mg/Kg		129	70 - 130	4	35
o-Xylene		0.100	0.1317	*+	mg/Kg		132	70 - 130	5	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	110		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-49596-A-1-B MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 92939							Prep Batch: 92936		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1018		mg/Kg		102	70 - 130
Toluene	<0.00201	U	0.100	0.09384		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-49596-A-1-B MS
Matrix: Solid
Analysis Batch: 92939

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 92936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2156		mg/Kg		108	70 - 130
o-Xylene	<0.00201	U *	0.100	0.1209		mg/Kg		121	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	109		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-49596-A-1-C MSD
Matrix: Solid
Analysis Batch: 92939

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 92936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09799		mg/Kg		98	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.09545		mg/Kg		95	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1100		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2366		mg/Kg		118	70 - 130	9	35
o-Xylene	<0.00201	U *	0.100	0.1161		mg/Kg		116	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-92947/1-A
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: LCS 880-92947/2-A
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1197		mg/Kg		120	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-92947/2-A

Matrix: Solid

Analysis Batch: 93006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92947

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	158	S1+	70 - 130

Lab Sample ID: LCSD 880-92947/3-A

Matrix: Solid

Analysis Batch: 93006

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1205		mg/Kg		120	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	155	S1+	70 - 130

Lab Sample ID: 880-49609-1 MS

Matrix: Solid

Analysis Batch: 93006

Client Sample ID: Backfill-1

Prep Type: Total/NA

Prep Batch: 92947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	886.9		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	996	903.4		mg/Kg		91	70 - 130		

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

Lab Sample ID: 880-49609-1 MSD

Matrix: Solid

Analysis Batch: 93006

Client Sample ID: Backfill-1

Prep Type: Total/NA

Prep Batch: 92947

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	996	877.6		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	911.0		mg/Kg		91	70 - 130	1	20

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92946/1-A

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/10/24 11:45	1

Lab Sample ID: LCS 880-92946/2-A

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-92946/3-A

Matrix: Solid

Analysis Batch: 92953

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	260.7		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-49609-1 MS

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Backfill-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.02		251	273.3		mg/Kg		106	90 - 110

Lab Sample ID: 880-49609-1 MSD

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Backfill-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.02		251	274.1		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 92936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	5035	
MB 880-92936/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92936/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92936/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49596-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-49596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 92939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	8021B	92936
MB 880-92936/5-A	Method Blank	Total/NA	Solid	8021B	92936
LCS 880-92936/1-A	Lab Control Sample	Total/NA	Solid	8021B	92936
LCSD 880-92936/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92936
880-49596-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	92936
880-49596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	92936

Analysis Batch: 93042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	8015NM Prep	
MB 880-92947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49609-1 MS	Backfill-1	Total/NA	Solid	8015NM Prep	
880-49609-1 MSD	Backfill-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	8015B NM	92947
MB 880-92947/1-A	Method Blank	Total/NA	Solid	8015B NM	92947
LCS 880-92947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92947
LCSD 880-92947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92947
880-49609-1 MS	Backfill-1	Total/NA	Solid	8015B NM	92947
880-49609-1 MSD	Backfill-1	Total/NA	Solid	8015B NM	92947

Analysis Batch: 93112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 92946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Soluble	Solid	DI Leach	
MB 880-92946/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92946/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92946/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 92946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1 MS	Backfill-1	Soluble	Solid	DI Leach	
880-49609-1 MSD	Backfill-1	Soluble	Solid	DI Leach	

Analysis Batch: 92953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49609-1	Backfill-1	Soluble	Solid	300.0	92946
MB 880-92946/1-A	Method Blank	Soluble	Solid	300.0	92946
LCS 880-92946/2-A	Lab Control Sample	Soluble	Solid	300.0	92946
LCSD 880-92946/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92946
880-49609-1 MS	Backfill-1	Soluble	Solid	300.0	92946
880-49609-1 MSD	Backfill-1	Soluble	Solid	300.0	92946

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Client Sample ID: Backfill-1

Lab Sample ID: 880-49609-1

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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	92936	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93042	10/10/24 17:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			93112	10/10/24 18:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 18:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 12:05	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: Bonanza Federal #001

Job ID: 880-49609-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49609-1
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: Bonanza Federal #001

Job ID: 880-49609-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49609-1	Backfill-1	Solid	10/09/24 00:00	10/10/24 08:21

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Chain of Custody



880-49609 Chain of Custody

Page 1 of 1

[illegible]

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49609-1
SDG Number: Eddy Co, NM

Login Number: 49609
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



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 10/11/2024 5:28:27 PM

JOB DESCRIPTION

Bonanza Federal #001
Eddy Co, NM

JOB NUMBER

880-49612-1

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



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10/11/2024 5:28:27 PM

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

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Laboratory Job ID: 880-49612-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
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: Bonanza Federal #001

Job ID: 880-49612-1

Job ID: 880-49612-1

Eurofins Midland

Job Narrative 880-49612-1

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

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

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

Receipt

The samples were received on 10/10/2024 8:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.5') (880-49612-1), CS-2 (2.5') (880-49612-2), CS-3 (2.5') (880-49612-3), CS-4 (6') (880-49612-4), CS-5 (6') (880-49612-5), SW-1 (2.5') (880-49612-6), SW-2 (2.5') (880-49612-7), SW-3 (2.5') (880-49612-8), SW-4 (3.5') (880-49612-9), SW-5 (6.0') (880-49612-10) and SW-6 (6') (880-49612-11).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-92947/2-A) and (LCSD 880-92947/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-93006 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-93006/21).

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: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-49612-1

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 11:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 11:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 11:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/24 09:20	10/10/24 11:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 11:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/24 09:20	10/10/24 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/10/24 09:20	10/10/24 11:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/10/24 09:20	10/10/24 11:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/10/24 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/10/24 19:45	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	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	10/10/24 09:17	10/10/24 19:45	1
o-Terphenyl	113		70 - 130	10/10/24 09:17	10/10/24 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		4.98		mg/Kg			10/10/24 12:32	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-49612-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 12:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 12:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 12:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/24 09:20	10/10/24 12:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/24 09:20	10/10/24 12:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/24 09:20	10/10/24 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/10/24 09:20	10/10/24 12:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/10/24 09:20	10/10/24 12:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-49612-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/10/24 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/10/24 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 20:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 20:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/10/24 09:17	10/10/24 20:00	1
o-Terphenyl	107		70 - 130				10/10/24 09:17	10/10/24 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.0		4.96		mg/Kg			10/10/24 12:38	1

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-49612-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/10/24 09:20	10/10/24 12:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/10/24 09:20	10/10/24 12:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/10/24 20:16	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		10/10/24 09:17	10/10/24 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 20:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-49612-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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		10/10/24 09:17	10/10/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/10/24 09:17	10/10/24 20:16	1
o-Terphenyl	109		70 - 130				10/10/24 09:17	10/10/24 20:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.04		mg/Kg			10/10/24 12:45	1

Client Sample ID: CS-4 (6')

Lab Sample ID: 880-49612-4

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/10/24 09:20	10/10/24 12:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/10/24 09:20	10/10/24 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/10/24 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 09:17	10/10/24 20:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:17	10/10/24 20:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:17	10/10/24 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/10/24 09:17	10/10/24 20:32	1
o-Terphenyl	109		70 - 130				10/10/24 09:17	10/10/24 20:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		4.98		mg/Kg			10/10/24 13:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (6')

Lab Sample ID: 880-49612-5

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 13:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 13:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 13:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 13:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 13:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/10/24 09:20	10/10/24 13:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/10/24 09:20	10/10/24 13:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/10/24 20:48	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		10/10/24 09:17	10/10/24 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 20:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/10/24 09:17	10/10/24 20:48	1
o-Terphenyl	106		70 - 130	10/10/24 09:17	10/10/24 20:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		4.96		mg/Kg			10/10/24 13:12	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-49612-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/10/24 09:20	10/10/24 13:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/10/24 09:20	10/10/24 13:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/10/24 09:20	10/10/24 13:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/10/24 09:20	10/10/24 13:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/10/24 09:20	10/10/24 13:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/10/24 09:20	10/10/24 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 09:20	10/10/24 13:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/10/24 09:20	10/10/24 13:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-49612-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/10/24 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/10/24 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 21:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 21:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/10/24 09:17	10/10/24 21:04	1
o-Terphenyl	113		70 - 130				10/10/24 09:17	10/10/24 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		5.05		mg/Kg			10/10/24 13:19	1

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-49612-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/10/24 09:20	10/10/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/10/24 09:20	10/10/24 13:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/10/24 09:20	10/10/24 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/10/24 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/10/24 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 21:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 21:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (2.5')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/10/24 09:17	10/10/24 21:19	1
o-Terphenyl	108		70 - 130				10/10/24 09:17	10/10/24 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.98		mg/Kg			10/10/24 13:25	1

Client Sample ID: SW-3 (2.5')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/10/24 09:20	10/10/24 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/10/24 09:20	10/10/24 14:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/10/24 09:20	10/10/24 14:04	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			10/10/24 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/10/24 21:35	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		10/10/24 09:17	10/10/24 21:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 21:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/10/24 09:17	10/10/24 21:35	1
o-Terphenyl	103		70 - 130				10/10/24 09:17	10/10/24 21:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.97		mg/Kg			10/10/24 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (3.5')

Lab Sample ID: 880-49612-9

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 14:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 14:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 14:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 14:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 14:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/10/24 09:20	10/10/24 14:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/10/24 09:20	10/10/24 14:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/10/24 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 22:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 22:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:17	10/10/24 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	10/10/24 09:17	10/10/24 22:06	1
o-Terphenyl	104		70 - 130	10/10/24 09:17	10/10/24 22:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.6		4.99		mg/Kg			10/10/24 13:39	1

Client Sample ID: SW-5 (6.0')

Lab Sample ID: 880-49612-10

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 09:20	10/10/24 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 09:20	10/10/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/10/24 09:20	10/10/24 14:45	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/10/24 09:20	10/10/24 14:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (6.0')

Lab Sample ID: 880-49612-10

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/10/24 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/10/24 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 22:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 22:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/10/24 09:17	10/10/24 22:21	1
o-Terphenyl	99		70 - 130				10/10/24 09:17	10/10/24 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		4.96		mg/Kg			10/10/24 13:59	1

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-49612-11

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/10/24 08:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 09:20	10/10/24 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/10/24 09:20	10/10/24 16:14	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/10/24 09:20	10/10/24 16:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/10/24 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 22:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 22:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (6')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 09:17	10/10/24 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/10/24 09:17	10/10/24 22:38	1
o-Terphenyl	101		70 - 130				10/10/24 09:17	10/10/24 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.3		5.05		mg/Kg			10/10/24 14:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
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)
880-49612-1	CS-1 (2.5')	107	101
880-49612-1 MS	CS-1 (2.5')	106	100
880-49612-1 MSD	CS-1 (2.5')	100	103
880-49612-2	CS-2 (2.5')	114	100
880-49612-3	CS-3 (2.5')	114	101
880-49612-4	CS-4 (6')	113	101
880-49612-5	CS-5 (6')	106	103
880-49612-6	SW-1 (2.5')	112	100
880-49612-7	SW-2 (2.5')	110	104
880-49612-8	SW-3 (2.5')	107	102
880-49612-9	SW-4 (3.5')	114	100
880-49612-10	SW-5 (6.0')	105	103
880-49612-11	SW-6 (6')	112	105
LCS 880-92949/1-A	Lab Control Sample	104	101
LCSD 880-92949/2-A	Lab Control Sample Dup	104	102
MB 880-92949/5-A	Method Blank	112	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-49609-A-1-E MS	Matrix Spike	107	106
880-49609-A-1-F MSD	Matrix Spike Duplicate	106	107
880-49612-1	CS-1 (2.5')	118	113
880-49612-2	CS-2 (2.5')	114	107
880-49612-3	CS-3 (2.5')	116	109
880-49612-4	CS-4 (6')	114	109
880-49612-5	CS-5 (6')	114	106
880-49612-6	SW-1 (2.5')	120	113
880-49612-7	SW-2 (2.5')	114	108
880-49612-8	SW-3 (2.5')	111	103
880-49612-9	SW-4 (3.5')	113	104
880-49612-10	SW-5 (6.0')	104	99
880-49612-11	SW-6 (6')	107	101
LCS 880-92947/2-A	Lab Control Sample	102	158 S1+
LCSD 880-92947/3-A	Lab Control Sample Dup	102	155 S1+
MB 880-92947/1-A	Method Blank	112	105

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92949/5-A

Matrix: Solid

Analysis Batch: 92938

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 11:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 11:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 11:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/10/24 09:20	10/10/24 11:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 09:20	10/10/24 11:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/24 09:20	10/10/24 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 09:20	10/10/24 11:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/10/24 09:20	10/10/24 11:19	1

Lab Sample ID: LCS 880-92949/1-A

Matrix: Solid

Analysis Batch: 92938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08958		mg/Kg		90	70 - 130
Toluene	0.100	0.08295		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08068		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1735		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08679		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-92949/2-A

Matrix: Solid

Analysis Batch: 92938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92949

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09217		mg/Kg		92	70 - 130	3	35
Toluene	0.100	0.08749		mg/Kg		87	70 - 130	5	35
Ethylbenzene	0.100	0.08775		mg/Kg		88	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1889		mg/Kg		94	70 - 130	8	35
o-Xylene	0.100	0.09513		mg/Kg		95	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-49612-1 MS

Matrix: Solid

Analysis Batch: 92938

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 92949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08583		mg/Kg		86	70 - 130
Toluene	<0.00201	U	0.100	0.08126		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-49612-1 MS					Client Sample ID: CS-1 (2.5')							
Matrix: Solid					Prep Type: Total/NA							
Analysis Batch: 92938					Prep Batch: 92949							
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec			
	Result	Qualifier	Added	Result	Qualifier				Limits			
	Ethylbenzene	<0.00201	U	0.100	0.08259				mg/Kg	83	70 - 130	
	m-Xylene & p-Xylene	<0.00402	U	0.200	0.1767				mg/Kg	88	70 - 130	
o-Xylene	<0.00201	U	0.100	0.08911	mg/Kg	89	70 - 130					
Surrogate	MS	MS	Limits									
	%Recovery	Qualifier										
	4-Bromofluorobenzene (Surr)	106		70 - 130								
	1,4-Difluorobenzene (Surr)	100		70 - 130								

Lab Sample ID: 880-49612-1 MSD								Client Sample ID: CS-1 (2.5')			
Matrix: Solid								Prep Type: Total/NA			
Analysis Batch: 92938								Prep Batch: 92949			
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Benzene	<0.00201	U	0.100	0.08671		mg/Kg		87	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08257		mg/Kg		83	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.08326		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1775		mg/Kg		89	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.08948		mg/Kg		89	70 - 130	0	35
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 - 130								

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

Lab Sample ID: MB 880-92947/1-A Matrix: Solid Analysis Batch: 93006						Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 92947			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:17	10/10/24 11:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/10/24 09:17	10/10/24 11:48	1
o-Terphenyl	105		70 - 130				10/10/24 09:17	10/10/24 11:48	1

Lab Sample ID: LCS 880-92947/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 93006				Prep Batch: 92947						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1197		mg/Kg		120	70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-92947/2-A
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92947

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	158	S1+	70 - 130

Lab Sample ID: LCSD 880-92947/3-A
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92947

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1014		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1205		mg/Kg		120	70 - 130	1	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	155	S1+	70 - 130								

Lab Sample ID: 880-49609-A-1-E MS
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 92947

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	996	886.9		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	996	903.4		mg/Kg		91	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	106		70 - 130								

Lab Sample ID: 880-49609-A-1-F MSD
Matrix: Solid
Analysis Batch: 93006

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 92947

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	996	877.6		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	911.0		mg/Kg		91	70 - 130	1	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	107		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92946/1-A

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/10/24 11:45	1

Lab Sample ID: LCS 880-92946/2-A

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-92946/3-A

Matrix: Solid

Analysis Batch: 92953

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	260.7		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-49612-9 MS

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: SW-4 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	77.6		250	338.5		mg/Kg		105	90 - 110

Lab Sample ID: 880-49612-9 MSD

Matrix: Solid

Analysis Batch: 92953

Client Sample ID: SW-4 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	77.6		250	336.7		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 92938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	8021B	92949
880-49612-2	CS-2 (2.5')	Total/NA	Solid	8021B	92949
880-49612-3	CS-3 (2.5')	Total/NA	Solid	8021B	92949
880-49612-4	CS-4 (6')	Total/NA	Solid	8021B	92949
880-49612-5	CS-5 (6')	Total/NA	Solid	8021B	92949
880-49612-6	SW-1 (2.5')	Total/NA	Solid	8021B	92949
880-49612-7	SW-2 (2.5')	Total/NA	Solid	8021B	92949
880-49612-8	SW-3 (2.5')	Total/NA	Solid	8021B	92949
880-49612-9	SW-4 (3.5')	Total/NA	Solid	8021B	92949
880-49612-10	SW-5 (6.0')	Total/NA	Solid	8021B	92949
880-49612-11	SW-6 (6')	Total/NA	Solid	8021B	92949
MB 880-92949/5-A	Method Blank	Total/NA	Solid	8021B	92949
LCS 880-92949/1-A	Lab Control Sample	Total/NA	Solid	8021B	92949
LCSD 880-92949/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92949
880-49612-1 MS	CS-1 (2.5')	Total/NA	Solid	8021B	92949
880-49612-1 MSD	CS-1 (2.5')	Total/NA	Solid	8021B	92949

Prep Batch: 92949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-49612-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-49612-3	CS-3 (2.5')	Total/NA	Solid	5035	
880-49612-4	CS-4 (6')	Total/NA	Solid	5035	
880-49612-5	CS-5 (6')	Total/NA	Solid	5035	
880-49612-6	SW-1 (2.5')	Total/NA	Solid	5035	
880-49612-7	SW-2 (2.5')	Total/NA	Solid	5035	
880-49612-8	SW-3 (2.5')	Total/NA	Solid	5035	
880-49612-9	SW-4 (3.5')	Total/NA	Solid	5035	
880-49612-10	SW-5 (6.0')	Total/NA	Solid	5035	
880-49612-11	SW-6 (6')	Total/NA	Solid	5035	
MB 880-92949/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92949/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92949/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49612-1 MS	CS-1 (2.5')	Total/NA	Solid	5035	
880-49612-1 MSD	CS-1 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 93048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-3	CS-3 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-4	CS-4 (6')	Total/NA	Solid	Total BTEX	
880-49612-5	CS-5 (6')	Total/NA	Solid	Total BTEX	
880-49612-6	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-7	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-8	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-49612-9	SW-4 (3.5')	Total/NA	Solid	Total BTEX	
880-49612-10	SW-5 (6.0')	Total/NA	Solid	Total BTEX	
880-49612-11	SW-6 (6')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 92947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-4	CS-4 (6')	Total/NA	Solid	8015NM Prep	
880-49612-5	CS-5 (6')	Total/NA	Solid	8015NM Prep	
880-49612-6	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-7	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-8	SW-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-49612-9	SW-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-49612-10	SW-5 (6.0')	Total/NA	Solid	8015NM Prep	
880-49612-11	SW-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-92947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49609-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-49609-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-3	CS-3 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-4	CS-4 (6')	Total/NA	Solid	8015B NM	92947
880-49612-5	CS-5 (6')	Total/NA	Solid	8015B NM	92947
880-49612-6	SW-1 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-7	SW-2 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-8	SW-3 (2.5')	Total/NA	Solid	8015B NM	92947
880-49612-9	SW-4 (3.5')	Total/NA	Solid	8015B NM	92947
880-49612-10	SW-5 (6.0')	Total/NA	Solid	8015B NM	92947
880-49612-11	SW-6 (6')	Total/NA	Solid	8015B NM	92947
MB 880-92947/1-A	Method Blank	Total/NA	Solid	8015B NM	92947
LCS 880-92947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92947
LCSD 880-92947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92947
880-49609-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	92947
880-49609-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92947

Analysis Batch: 93114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-49612-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-49612-3	CS-3 (2.5')	Total/NA	Solid	8015 NM	
880-49612-4	CS-4 (6')	Total/NA	Solid	8015 NM	
880-49612-5	CS-5 (6')	Total/NA	Solid	8015 NM	
880-49612-6	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-49612-7	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-49612-8	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-49612-9	SW-4 (3.5')	Total/NA	Solid	8015 NM	
880-49612-10	SW-5 (6.0')	Total/NA	Solid	8015 NM	
880-49612-11	SW-6 (6')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 92946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-49612-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-49612-3	CS-3 (2.5')	Soluble	Solid	DI Leach	
880-49612-4	CS-4 (6')	Soluble	Solid	DI Leach	
880-49612-5	CS-5 (6')	Soluble	Solid	DI Leach	
880-49612-6	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-49612-7	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-49612-8	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-49612-9	SW-4 (3.5')	Soluble	Solid	DI Leach	
880-49612-10	SW-5 (6.0')	Soluble	Solid	DI Leach	
880-49612-11	SW-6 (6')	Soluble	Solid	DI Leach	
MB 880-92946/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92946/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92946/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49612-9 MS	SW-4 (3.5')	Soluble	Solid	DI Leach	
880-49612-9 MSD	SW-4 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 92953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49612-1	CS-1 (2.5')	Soluble	Solid	300.0	92946
880-49612-2	CS-2 (2.5')	Soluble	Solid	300.0	92946
880-49612-3	CS-3 (2.5')	Soluble	Solid	300.0	92946
880-49612-4	CS-4 (6')	Soluble	Solid	300.0	92946
880-49612-5	CS-5 (6')	Soluble	Solid	300.0	92946
880-49612-6	SW-1 (2.5')	Soluble	Solid	300.0	92946
880-49612-7	SW-2 (2.5')	Soluble	Solid	300.0	92946
880-49612-8	SW-3 (2.5')	Soluble	Solid	300.0	92946
880-49612-9	SW-4 (3.5')	Soluble	Solid	300.0	92946
880-49612-10	SW-5 (6.0')	Soluble	Solid	300.0	92946
880-49612-11	SW-6 (6')	Soluble	Solid	300.0	92946
MB 880-92946/1-A	Method Blank	Soluble	Solid	300.0	92946
LCS 880-92946/2-A	Lab Control Sample	Soluble	Solid	300.0	92946
LCSD 880-92946/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92946
880-49612-9 MS	SW-4 (3.5')	Soluble	Solid	300.0	92946
880-49612-9 MSD	SW-4 (3.5')	Soluble	Solid	300.0	92946

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2.5')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 11:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 11:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 19:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 12:32	CH	EET MID

Client Sample ID: CS-2 (2.5')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-2
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			4.97 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 20:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 12:38	CH	EET MID

Client Sample ID: CS-3 (2.5')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 20:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 20:16	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 12:45	CH	EET MID

Client Sample ID: CS-4 (6')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-4
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	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 12:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (6')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93114	10/10/24 20:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 20:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:05	CH	EET MID

Client Sample ID: CS-5 (6')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 13:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 20:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 20:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:12	CH	EET MID

Client Sample ID: SW-1 (2.5')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 21:04	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:19	CH	EET MID

Client Sample ID: SW-2 (2.5')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 21:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 21:19	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (2.5')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:25	CH	EET MID

Client Sample ID: SW-3 (2.5')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-8

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			4.95 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 21:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 21:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:32	CH	EET MID

Client Sample ID: SW-4 (3.5')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-9

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			5.02 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 22:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 22:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:39	CH	EET MID

Client Sample ID: SW-5 (6.0')

Date Collected: 10/09/24 00:00

Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-10

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	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 22:21	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 13:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (6')
Date Collected: 10/09/24 00:00
Date Received: 10/10/24 08:21

Lab Sample ID: 880-49612-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92949	10/10/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92938	10/10/24 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93048	10/10/24 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			93114	10/10/24 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92947	10/10/24 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93006	10/10/24 22:38	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92946	10/10/24 09:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92953	10/10/24 14:05	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: Bonanza Federal #001

Job ID: 880-49612-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49612-1
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: Bonanza Federal #001

Job ID: 880-49612-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49612-1	CS-1 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-2	CS-2 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-3	CS-3 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-4	CS-4 (6')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-5	CS-5 (6')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-6	SW-1 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-7	SW-2 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-8	SW-3 (2.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-9	SW-4 (3.5')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-10	SW-5 (6.0')	Solid	10/09/24 00:00	10/10/24 08:21
880-49612-11	SW-6 (6')	Solid	10/09/24 00:00	10/10/24 08:21

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Chain of Custody



880-49612 Chain of Custody

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

ANALYSIS REQUEST									
Project Name:	BONANZA FEDERAL #001	Turn Around	Pres. Code	Preservative Codes					
Project Number:	2485	☐ Routine ☒ Rush		None: NO	DI Water: H ₂ O				
Project Location	Eddy Co. NM	Due Date: 24 Hour		Cool: Cool	MeOH: Me				
Sampler's Name:	GPJ	TAT starts the day received by the lab, if received by 4:30pm		HCL: HC	HNO ₃ : HN				
PO #:				H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT				H ₃ PO ₄ : HP					
Received Intact:	Yes ☒ No ☐	Wet Ice: Yes ☐ No ☒		NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes ☐ No ☒	Thermometer ID: <u>ERS</u>		Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading: <u>-3.4</u>		Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature: <u>-3.7</u>		NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont.	Sample Comments		
CS-1 (2.5')	10/9/2024		X		Comp	1			
CS-2 (2.5')	10/9/2024		X		Comp	1			
CS-3 (2.5')	10/9/2024		X		Comp	1			
CS-4 (6')	10/9/2024		X		Comp	1			
CS-5 (6')	10/9/2024		X		Comp	1			
SW-1 (2.5')	10/9/2024		X		Comp	1			
SW-2 (2.5')	10/9/2024		X		Comp	1			
SW-3 (2.5')	10/9/2024		X		Comp	1			
SW-4 (3.5')	10/9/2024		X		Comp	1			
SW-5 (6.0')	10/9/2024		X		Comp	1			

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10/10/24 4:21			

Revised Date 05/12/2020 Rev 2020.1

Chain of Custody

Work Order No: 662

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	ThielkeA@Carmonaresources.com

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

Project Name:		BONANZA FEDERAL #001		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes								
Project Number:	2485	Eddy Co. NM		Due Date: 24 Hour		TAT starts the day received by the lab, if received by 4:30pm		Parameters		BTEX 8021B												HOLD		None: NO				
Project Location:	GPJ	GPJ		Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:		HCL: HC		Cool: Cool		MeOH: Me		DI Water: H ₂ O		
Sampler's Name:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:		H ₂ SO ₄ : H ₂		H ₂ SO ₄ : H ₂		NaOH: Na				
PO #:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:		H ₃ PO ₄ : HP		NaHSO ₄ : NABIS		Na ₂ S ₂ O ₃ : NaSO ₃		Zn Acetate+NaOH: Zn		
Received Intact:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:		NaOH+Ascorbic Acid: SAPC								
Cooler Custody Seals:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:										
Sample Custody Seals:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:										
Total Containers:				Temp Blank:		Yes No		Wet Ice:		Yes No		Thermometer ID:		Cooler Custody Seals:		Yes No N/A		Correction Factor:										
Sample Identification	SW-6 (6')	Date	10/9/2024	Time		Soil	X	Water		Grab/Comp	Comp	# of Cont	1	TPH 8015M (GRO + DRO + MRO)	X	Chloride 300.0	X											Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/10/24 6:21			
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5					

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Revised Date 05/01/2020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49612-1

SDG Number: Eddy Co, NM

Login Number: 49612

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/14/2024 1:48:29 PM

JOB DESCRIPTION

Bonanza Federal #001
Eddy Co, NM

JOB NUMBER

880-49689-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/14/2024 1:48:29 PM

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

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Laboratory Job ID: 880-49689-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
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: Bonanza Federal #001

Job ID: 880-49689-1

Job ID: 880-49689-1

Eurofins Midland

Job Narrative 880-49689-1

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

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

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

Receipt

The samples were received on 10/11/2024 2:05 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 -4.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-6 (6.0') (880-49689-1), CS-7 (6.0') (880-49689-2), CS-8 (6.0') (880-49689-3), CS-9 (6.0') (880-49689-4), SW-7 (6.0') (880-49689-5), SW-8 (6.0') (880-49689-6), SW-9 (6.0') (880-49689-7), SW-10 (6.0') (880-49689-8) and SW-11 (6.0') (880-49689-9).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-93208 and analytical batch 880-93209 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93208/2-A) and (LCSD 880-93208/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-93129/2-A) and (LCSD 880-93129/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (6.0')

Lab Sample ID: 880-49689-1

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 14:50	10/11/24 22:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 14:50	10/11/24 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/11/24 14:50	10/11/24 22:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 14:50	10/11/24 22:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/11/24 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 11:48	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		10/11/24 15:41	10/14/24 11:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:41	10/14/24 11:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:41	10/14/24 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/11/24 15:41	10/14/24 11:48	1
o-Terphenyl	78		70 - 130	10/11/24 15:41	10/14/24 11:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		10.1		mg/Kg			10/14/24 08:39	1

Client Sample ID: CS-7 (6.0')

Lab Sample ID: 880-49689-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/24 14:50	10/11/24 22:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/24 14:50	10/11/24 22:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/24 14:50	10/11/24 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/11/24 14:50	10/11/24 22:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/11/24 14:50	10/11/24 22:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (6.0')

Lab Sample ID: 880-49689-2

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/11/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/11/24 15:41	10/14/24 12:37	1
o-Terphenyl	79		70 - 130				10/11/24 15:41	10/14/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		10.0		mg/Kg			10/12/24 03:23	1

Client Sample ID: CS-8 (6.0')

Lab Sample ID: 880-49689-3

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/11/24 14:50	10/11/24 23:16	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 14:50	10/11/24 23:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 23:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: CS-8 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/24 15:41	10/14/24 12:53	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	116		70 - 130				10/11/24 15:41	10/14/24 12:53	1	
o-Terphenyl	90		70 - 130				10/11/24 15:41	10/14/24 12:53	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.5		9.98		mg/Kg			10/12/24 03:29	1	

Client Sample ID: CS-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-4
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		10/11/24 14:50	10/11/24 23:36	1	
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:36	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:36	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:36	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:36	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:36	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	111		70 - 130				10/11/24 14:50	10/11/24 23:36	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 14:50	10/11/24 23:36	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 23:36	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			10/14/24 13:09	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	<49.6	U	49.6		mg/Kg		10/11/24 15:41	10/14/24 13:09	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/11/24 15:41	10/14/24 13:09	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/11/24 15:41	10/14/24 13:09	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130				10/11/24 15:41	10/14/24 13:09	1	
o-Terphenyl	75		70 - 130				10/11/24 15:41	10/14/24 13:09	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	87.2		9.92		mg/Kg			10/12/24 03:34	1	

Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (6.0')

Lab Sample ID: 880-49689-5

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/11/24 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				10/11/24 14:50	10/11/24 23:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 14:50	10/11/24 23:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/11/24 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 13:25	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		10/11/24 15:41	10/14/24 13:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/24 15:41	10/14/24 13:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:41	10/14/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/11/24 15:41	10/14/24 13:25	1
o-Terphenyl	79		70 - 130				10/11/24 15:41	10/14/24 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.4		10.1		mg/Kg			10/12/24 03:40	1

Client Sample ID: SW-8 (6.0')

Lab Sample ID: 880-49689-6

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/24 14:50	10/12/24 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/24 14:50	10/12/24 00:17	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 14:50	10/12/24 00:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: SW-8 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/12/24 00:17	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 11:48	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		10/14/24 10:33	10/14/24 11:48	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/24 10:33	10/14/24 11:48	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/24 10:33	10/14/24 11:48	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	111		70 - 130				10/14/24 10:33	10/14/24 11:48	1	
o-Terphenyl	101		70 - 130				10/14/24 10:33	10/14/24 11:48	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	117		9.94		mg/Kg			10/12/24 03:56	1	

Client Sample ID: SW-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/24 14:50	10/12/24 00:38	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	116		70 - 130				10/11/24 14:50	10/12/24 00:38	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 14:50	10/12/24 00:38	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/12/24 00:38	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/14/24 12:37	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/14/24 10:33	10/14/24 12:37	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/24 10:33	10/14/24 12:37	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (6.0')

Lab Sample ID: 880-49689-7

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/24 10:33	10/14/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/14/24 10:33	10/14/24 12:37	1
o-Terphenyl	95		70 - 130				10/14/24 10:33	10/14/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.6		9.96		mg/Kg			10/12/24 04:01	1

Client Sample ID: SW-10 (6.0')

Lab Sample ID: 880-49689-8

Date Collected: 10/10/24 00:00

Matrix: Solid

Date Received: 10/11/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/24 14:50	10/12/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				10/11/24 14:50	10/12/24 00:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/11/24 14:50	10/12/24 00:58	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			10/12/24 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/14/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/14/24 10:33	10/14/24 12:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/14/24 10:33	10/14/24 12:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/14/24 10:33	10/14/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/14/24 10:33	10/14/24 12:53	1
o-Terphenyl	98		70 - 130				10/14/24 10:33	10/14/24 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		10.0		mg/Kg			10/12/24 04:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-9
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		10/11/24 14:50	10/12/24 01:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/12/24 01:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/12/24 01:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/12/24 01:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/24 14:50	10/12/24 01:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/24 14:50	10/12/24 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				10/11/24 14:50	10/12/24 01:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/24 14:50	10/12/24 01:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/12/24 01:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/14/24 13:09	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		10/14/24 10:33	10/14/24 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/24 10:33	10/14/24 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/24 10:33	10/14/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/14/24 10:33	10/14/24 13:09	1
o-Terphenyl	101		70 - 130				10/14/24 10:33	10/14/24 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			10/12/24 04:12	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
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)				
880-49689-1	CS-6 (6.0')	115	98				
880-49689-1 MS	CS-6 (6.0')	108	98				
880-49689-1 MSD	CS-6 (6.0')	106	97				
880-49689-2	CS-7 (6.0')	115	98				
880-49689-3	CS-8 (6.0')	114	97				
880-49689-4	CS-9 (6.0')	111	97				
880-49689-5	SW-7 (6.0')	117	98				
880-49689-6	SW-8 (6.0')	113	97				
880-49689-7	SW-9 (6.0')	116	97				
880-49689-8	SW-10 (6.0')	113	97				
880-49689-9	SW-11 (6.0')	115	98				
LCS 880-93125/1-A	Lab Control Sample	107	99				
LCSD 880-93125/2-A	Lab Control Sample Dup	107	98				
MB 880-93035/5-A	Method Blank	105	94				
MB 880-93125/5-A	Method Blank	111	95				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-49689-1	CS-6 (6.0')	100	78				
880-49689-1 MS	CS-6 (6.0')	91	79				
880-49689-1 MSD	CS-6 (6.0')	104	89				
880-49689-2	CS-7 (6.0')	103	79				
880-49689-3	CS-8 (6.0')	116	90				
880-49689-4	CS-9 (6.0')	97	75				
880-49689-5	SW-7 (6.0')	103	79				
880-49689-6	SW-8 (6.0')	111	101				
880-49689-6 MS	SW-8 (6.0')	108	107				
880-49689-6 MSD	SW-8 (6.0')	110	108				
880-49689-7	SW-9 (6.0')	106	95				
880-49689-8	SW-10 (6.0')	109	98				
880-49689-9	SW-11 (6.0')	112	101				
LCS 880-93129/2-A	Lab Control Sample	98	133 S1+				
LCS 880-93208/2-A	Lab Control Sample	109	166 S1+				
LCSD 880-93129/3-A	Lab Control Sample Dup	98	133 S1+				
LCSD 880-93208/3-A	Lab Control Sample Dup	109	167 S1+				
MB 880-93129/1-A	Method Blank	112	92				
MB 880-93208/1-A	Method Blank	131 S1+	125				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93035/5-A

Matrix: Solid

Analysis Batch: 93018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 09:31	10/11/24 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 09:31	10/11/24 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/11/24 09:31	10/11/24 11:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/11/24 09:31	10/11/24 11:15	1

Lab Sample ID: MB 880-93125/5-A

Matrix: Solid

Analysis Batch: 93018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/24 14:50	10/11/24 22:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/24 14:50	10/11/24 22:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/24 14:50	10/11/24 22:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/24 14:50	10/11/24 22:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/24 14:50	10/11/24 22:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/24 14:50	10/11/24 22:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/11/24 14:50	10/11/24 22:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/11/24 14:50	10/11/24 22:13	1

Lab Sample ID: LCS 880-93125/1-A

Matrix: Solid

Analysis Batch: 93018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1155		mg/Kg		115	70 - 130
Toluene	0.100	0.1080		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1105		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-93125/2-A

Matrix: Solid

Analysis Batch: 93018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1146		mg/Kg		115	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-93125/2-A
Matrix: Solid
Analysis Batch: 93018

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93125

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added		Result	Qualifier				Limits	RPD	
Toluene	0.100		0.1071		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100		0.1081		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	0.200		0.2126		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100		0.1097		mg/Kg		110	70 - 130	1	35
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	107		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-49689-1 MS
Matrix: Solid
Analysis Batch: 93018

Client Sample ID: CS-6 (6.0')
Prep Type: Total/NA
Prep Batch: 93125

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Benzene	<0.00201	U	0.100	0.09793		mg/Kg		98	70 - 130	
Toluene	<0.00201	U	0.100	0.09200		mg/Kg		92	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.09431		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1845		mg/Kg		92	70 - 130	
o-Xylene	<0.00201	U	0.100	0.09330		mg/Kg		93	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	108		70 - 130							
1,4-Difluorobenzene (Surr)	98		70 - 130							

Lab Sample ID: 880-49689-1 MSD
Matrix: Solid
Analysis Batch: 93018

Client Sample ID: CS-6 (6.0')
Prep Type: Total/NA
Prep Batch: 93125

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00201	U	0.100	0.09970		mg/Kg		100	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.09302		mg/Kg		93	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09412		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1842		mg/Kg		92	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.09372		mg/Kg		94	70 - 130	0	35
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

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

Lab Sample ID: MB 880-93129/1-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93129

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		10/11/24 15:40	10/14/24 09:54	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-93129/1-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93129

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		10/11/24 15:40	10/14/24 09:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/24 15:40	10/14/24 09:54	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	112		70 - 130				10/11/24 15:40	10/14/24 09:54	1
o-Terphenyl	92		70 - 130				10/11/24 15:40	10/14/24 09:54	1

Lab Sample ID: LCS 880-93129/2-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	133	S1+	70 - 130						

Lab Sample ID: LCSD 880-93129/3-A
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1045		mg/Kg		105	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	133	S1+	70 - 130						

Lab Sample ID: 880-49689-1 MS
Matrix: Solid
Analysis Batch: 93206

Client Sample ID: CS-6 (6.0')
Prep Type: Total/NA
Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	876.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	733.1		mg/Kg		74	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	79		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-49689-1 MSD

Matrix: Solid

Analysis Batch: 93206

Client Sample ID: CS-6 (6.0')

Prep Type: Total/NA

Prep Batch: 93129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1027		mg/Kg		103	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	806.5		mg/Kg		81	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: MB 880-93208/1-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/14/24 08:00	10/14/24 09:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/24 08:00	10/14/24 09:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/24 08:00	10/14/24 09:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/14/24 08:00	10/14/24 09:54	1
o-Terphenyl	125		70 - 130				10/14/24 08:00	10/14/24 09:54	1

Lab Sample ID: LCS 880-93208/2-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1211		mg/Kg		121	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	166	S1+	70 - 130						

Lab Sample ID: LCSD 880-93208/3-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93208

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1287		mg/Kg		129	70 - 130	6	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-93208/3-A

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93208

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	167	S1+	70 - 130

Lab Sample ID: 880-49689-6 MS

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: SW-8 (6.0')

Prep Type: Total/NA

Prep Batch: 93208

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	993	973.9		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	993	947.6		mg/Kg		95	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	107		70 - 130							

Lab Sample ID: 880-49689-6 MSD

Matrix: Solid

Analysis Batch: 93209

Client Sample ID: SW-8 (6.0')

Prep Type: Total/NA

Prep Batch: 93208

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	993	965.5		mg/Kg		97	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.8	U	993	931.8		mg/Kg		94	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	110		70 - 130									
o-Terphenyl	108		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93126/1-A

Matrix: Solid

Analysis Batch: 93128

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.0	U	10.0		mg/Kg			10/12/24 02:55	1	

Lab Sample ID: LCS 880-93126/2-A

Matrix: Solid

Analysis Batch: 93128

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	245.5		mg/Kg		98	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-93126/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93128											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-49689-1 MS				Client Sample ID: CS-6 (6.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93128											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	309		252	536.1		mg/Kg		90	90 - 110		

Lab Sample ID: 880-49689-1 MSD				Client Sample ID: CS-6 (6.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 93128											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	309		252	536.9		mg/Kg		91	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 93018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	8021B	93125
880-49689-2	CS-7 (6.0')	Total/NA	Solid	8021B	93125
880-49689-3	CS-8 (6.0')	Total/NA	Solid	8021B	93125
880-49689-4	CS-9 (6.0')	Total/NA	Solid	8021B	93125
880-49689-5	SW-7 (6.0')	Total/NA	Solid	8021B	93125
880-49689-6	SW-8 (6.0')	Total/NA	Solid	8021B	93125
880-49689-7	SW-9 (6.0')	Total/NA	Solid	8021B	93125
880-49689-8	SW-10 (6.0')	Total/NA	Solid	8021B	93125
880-49689-9	SW-11 (6.0')	Total/NA	Solid	8021B	93125
MB 880-93035/5-A	Method Blank	Total/NA	Solid	8021B	93035
MB 880-93125/5-A	Method Blank	Total/NA	Solid	8021B	93125
LCS 880-93125/1-A	Lab Control Sample	Total/NA	Solid	8021B	93125
LCSD 880-93125/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93125
880-49689-1 MS	CS-6 (6.0')	Total/NA	Solid	8021B	93125
880-49689-1 MSD	CS-6 (6.0')	Total/NA	Solid	8021B	93125

Prep Batch: 93035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-93035/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 93125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	5035	
880-49689-2	CS-7 (6.0')	Total/NA	Solid	5035	
880-49689-3	CS-8 (6.0')	Total/NA	Solid	5035	
880-49689-4	CS-9 (6.0')	Total/NA	Solid	5035	
880-49689-5	SW-7 (6.0')	Total/NA	Solid	5035	
880-49689-6	SW-8 (6.0')	Total/NA	Solid	5035	
880-49689-7	SW-9 (6.0')	Total/NA	Solid	5035	
880-49689-8	SW-10 (6.0')	Total/NA	Solid	5035	
880-49689-9	SW-11 (6.0')	Total/NA	Solid	5035	
MB 880-93125/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93125/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93125/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49689-1 MS	CS-6 (6.0')	Total/NA	Solid	5035	
880-49689-1 MSD	CS-6 (6.0')	Total/NA	Solid	5035	

Analysis Batch: 93186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-2	CS-7 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-3	CS-8 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-4	CS-9 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-5	SW-7 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-6	SW-8 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-7	SW-9 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-8	SW-10 (6.0')	Total/NA	Solid	Total BTEX	
880-49689-9	SW-11 (6.0')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 93129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-2	CS-7 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-3	CS-8 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-4	CS-9 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-5	SW-7 (6.0')	Total/NA	Solid	8015NM Prep	
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49689-1 MS	CS-6 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-1 MSD	CS-6 (6.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	8015B NM	93129
880-49689-2	CS-7 (6.0')	Total/NA	Solid	8015B NM	93129
880-49689-3	CS-8 (6.0')	Total/NA	Solid	8015B NM	93129
880-49689-4	CS-9 (6.0')	Total/NA	Solid	8015B NM	93129
880-49689-5	SW-7 (6.0')	Total/NA	Solid	8015B NM	93129
MB 880-93129/1-A	Method Blank	Total/NA	Solid	8015B NM	93129
LCS 880-93129/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93129
LCSD 880-93129/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93129
880-49689-1 MS	CS-6 (6.0')	Total/NA	Solid	8015B NM	93129
880-49689-1 MSD	CS-6 (6.0')	Total/NA	Solid	8015B NM	93129

Prep Batch: 93208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-6	SW-8 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-7	SW-9 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-8	SW-10 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-9	SW-11 (6.0')	Total/NA	Solid	8015NM Prep	
MB 880-93208/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93208/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-93208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49689-6 MS	SW-8 (6.0')	Total/NA	Solid	8015NM Prep	
880-49689-6 MSD	SW-8 (6.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-6	SW-8 (6.0')	Total/NA	Solid	8015B NM	93208
880-49689-7	SW-9 (6.0')	Total/NA	Solid	8015B NM	93208
880-49689-8	SW-10 (6.0')	Total/NA	Solid	8015B NM	93208
880-49689-9	SW-11 (6.0')	Total/NA	Solid	8015B NM	93208
MB 880-93208/1-A	Method Blank	Total/NA	Solid	8015B NM	93208
LCS 880-93208/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93208
LCSD 880-93208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93208
880-49689-6 MS	SW-8 (6.0')	Total/NA	Solid	8015B NM	93208
880-49689-6 MSD	SW-8 (6.0')	Total/NA	Solid	8015B NM	93208

Analysis Batch: 93227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 93227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-2	CS-7 (6.0')	Total/NA	Solid	8015 NM	
880-49689-3	CS-8 (6.0')	Total/NA	Solid	8015 NM	
880-49689-4	CS-9 (6.0')	Total/NA	Solid	8015 NM	
880-49689-5	SW-7 (6.0')	Total/NA	Solid	8015 NM	
880-49689-6	SW-8 (6.0')	Total/NA	Solid	8015 NM	
880-49689-7	SW-9 (6.0')	Total/NA	Solid	8015 NM	
880-49689-8	SW-10 (6.0')	Total/NA	Solid	8015 NM	
880-49689-9	SW-11 (6.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Soluble	Solid	DI Leach	
880-49689-2	CS-7 (6.0')	Soluble	Solid	DI Leach	
880-49689-3	CS-8 (6.0')	Soluble	Solid	DI Leach	
880-49689-4	CS-9 (6.0')	Soluble	Solid	DI Leach	
880-49689-5	SW-7 (6.0')	Soluble	Solid	DI Leach	
880-49689-6	SW-8 (6.0')	Soluble	Solid	DI Leach	
880-49689-7	SW-9 (6.0')	Soluble	Solid	DI Leach	
880-49689-8	SW-10 (6.0')	Soluble	Solid	DI Leach	
880-49689-9	SW-11 (6.0')	Soluble	Solid	DI Leach	
MB 880-93126/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93126/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93126/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49689-1 MS	CS-6 (6.0')	Soluble	Solid	DI Leach	
880-49689-1 MSD	CS-6 (6.0')	Soluble	Solid	DI Leach	

Analysis Batch: 93128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49689-1	CS-6 (6.0')	Soluble	Solid	300.0	93126
880-49689-2	CS-7 (6.0')	Soluble	Solid	300.0	93126
880-49689-3	CS-8 (6.0')	Soluble	Solid	300.0	93126
880-49689-4	CS-9 (6.0')	Soluble	Solid	300.0	93126
880-49689-5	SW-7 (6.0')	Soluble	Solid	300.0	93126
880-49689-6	SW-8 (6.0')	Soluble	Solid	300.0	93126
880-49689-7	SW-9 (6.0')	Soluble	Solid	300.0	93126
880-49689-8	SW-10 (6.0')	Soluble	Solid	300.0	93126
880-49689-9	SW-11 (6.0')	Soluble	Solid	300.0	93126
MB 880-93126/1-A	Method Blank	Soluble	Solid	300.0	93126
LCS 880-93126/2-A	Lab Control Sample	Soluble	Solid	300.0	93126
LCSD 880-93126/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93126
880-49689-1 MS	CS-6 (6.0')	Soluble	Solid	300.0	93126
880-49689-1 MSD	CS-6 (6.0')	Soluble	Solid	300.0	93126

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/11/24 22:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 11:48	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/14/24 08:39	CH	EET MID

Client Sample ID: CS-7 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-2
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			4.97 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/11/24 22:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 12:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 03:23	CH	EET MID

Client Sample ID: CS-8 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/11/24 23:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 12:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 12:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 03:29	CH	EET MID

Client Sample ID: CS-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-4
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	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/11/24 23:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93227	10/14/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 03:34	CH	EET MID

Client Sample ID: SW-7 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/11/24 23:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/11/24 23:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 13:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	93129	10/11/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93206	10/14/24 13:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 03:40	CH	EET MID

Client Sample ID: SW-8 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/12/24 00:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/12/24 00:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	93208	10/14/24 10:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 11:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 03:56	CH	EET MID

Client Sample ID: SW-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/12/24 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/12/24 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	93208	10/14/24 10:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 12:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 04:01	CH	EET MID

Client Sample ID: SW-10 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-8
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			4.95 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/12/24 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/12/24 00:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 12:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	93208	10/14/24 10:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 12:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 04:07	CH	EET MID

Client Sample ID: SW-11 (6.0')
Date Collected: 10/10/24 00:00
Date Received: 10/11/24 14:05

Lab Sample ID: 880-49689-9
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			5.02 g	5 mL	93125	10/11/24 14:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93018	10/12/24 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93186	10/12/24 01:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93227	10/14/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	93208	10/14/24 10:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93209	10/14/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	93126	10/11/24 15:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	93128	10/12/24 04:12	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: Bonanza Federal #001

Job ID: 880-49689-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Bonanza Federal #001

Job ID: 880-49689-1
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: Bonanza Federal #001

Job ID: 880-49689-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49689-1	CS-6 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-2	CS-7 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-3	CS-8 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-4	CS-9 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-5	SW-7 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-6	SW-8 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-7	SW-9 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-8	SW-10 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05
880-49689-9	SW-11 (6.0')	Solid	10/10/24 00:00	10/11/24 14:05

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Chain of Custody



880-49689 Chain of Custody

Page 1 of 1

Project Manager: Ashton Thielke		Bill to: (if different)		Carmona Resources	
Company Name: Carmona Resources		Company Name:			
Address: 310 West Wall Ste. 500		Address:			
City, State ZIP: Midland, TX 79701		City, State ZIP:			
Phone: 432-813-8988		Email: ThielkeA@Carmonaresources.com			

Project Name: BONANZA FEDERAL #001		Turn Around		Pres. Code	
Project Number: 2485		☐ Routine ☒ Rush			
Project Location: Eddy Co. NM		Due Date: 24 Hour			
Sampler's Name: GPJ		TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No	
Received Intact:		Yes		No		Thermometer ID:		Yes		No		Thermometer ID:	
Cooler Custody Seals:		Yes		No		Correction Factor:		Yes		No		Correction Factor:	
Sample Custody Seals:		Yes		No		Temperature Reading:		Yes		No		Temperature Reading:	
Total Containers:		Yes		No		Corrected Temperature:		Yes		No		Corrected Temperature:	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters						
CS-6 (6.0')	10/10/2024		X		Comp	1	BTX 8021B						
CS-7 (6.0')	10/10/2024		X		Comp	1	TPH 8015M (GRO + DRO + MRO)						
CS-8 (6.0')	10/10/2024		X		Comp	1	Chloride 300.0						
CS-9 (6.0')	10/10/2024		X		Comp	1	HOLD						
SW-7 (6.0')	10/10/2024		X		Comp	1	None: NO						
SW-8 (6.0')	10/10/2024		X		Comp	1	Cool: Cool						
SW-9 (6.0')	10/10/2024		X		Comp	1	HCL: HC						
SW-10 (6.0')	10/10/2024		X		Comp	1	H ₂ SO ₄ : H ₂						
SW-11 (6.0')	10/10/2024		X		Comp	1	H ₃ PO ₄ : HP						
							NaHSO ₄ : NABIS						
							Na ₂ S ₂ O ₃ : NaSO ₃						
							Zn Acetate+NaOH: Zn						
							NaOH+Ascorbic Acid: SAPC						
Sample Comments							Preservative Codes						

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10/11/24 MAS ²			
3					
5					

Revised Date 05/12/2020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49689-1

SDG Number: Eddy Co, NM

Login Number: 49689

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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

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 400233

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2419952876
Incident Name	NAPP2419952876 30-025-33808 BONANZA FEDERAL #001 @ 30-025-33808
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-33808] BONANZA FEDERAL #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	30-025-33808 BONANZA FEDERAL #001
Date Release Discovered	07/15/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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, Page 2

Action 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/06/2024
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Sante Fe Main Office
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
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 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	11900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/07/2024
On what date will (or did) the final sampling or liner inspection occur	10/09/2024
On what date will (or was) the remediation complete(d)	10/10/2024
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	1505
What is the estimated volume (in cubic yards) that will be remediated	360
<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 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	400233
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:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/06/2024
<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 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	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 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	389662
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2024
What was the (estimated) number of samples that were to be gathered	24
What was the sampling surface area in square feet	2400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1505
What was the total volume (cubic yards) remediated	360
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)	"Area was excavated and remediated based off of initial site assessment results. Once composite confirmation sidewall and floor samples were recieved, the area was backfill with caliche and will be reclaimed/reseeded during P/A activities."

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/06/2024
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QUESTIONS, Page 7

Action 400233

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	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 400233

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 400233
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2419952876 BONANZA FEDERAL #001, thank you. This Remediation Closure Report is approved.	12/17/2024