



SITE INFORMATION

Closure Report
CHILES 28 21 STATE COM 2
Lea County, New Mexico
Incident ID: NAPP2332464197
Unit O Sec 28 T21S R34E
32.443404°, -103.473873°

Produced Water Release
Point of Release: Flange on water takeaway line developed a leak
Release Date: 11/20/2023
Volume Released: 12 Barrels of Produced Water
Volume Recovered: 10 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Devon Energy
5315 Buena Vista Drive
Carlsbad, New Mexico 88220

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



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October 21, 2024

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

Re: Closure Report
CHILES 28 21 STATE COM 2
Devon Energy
Incident ID: NAPP2332464197
Site Location: Unit O, S28, T21S, R34E
(Lat 32.443404°, Long -103.473873°)
Lea County, New Mexico

Mr. Bratcher:

On behalf of Devon Energy (Devon), Carmona Resources, LLC has prepared this letter to document site activities for the CHILES 28 21 STATE COM 2. The site is located at 32.443404°, -103.473873° within Unit O, S28, T21S, and R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 20, 2023, due to leak on the flange to a water takeaway line. It resulted in the release of twelve (12) barrels of produced water, with ten (10) barrels recovered. Refer to Figure 3. The release occurred on the pad. 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 multiple known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.28 miles North of the site in S28, T21S, R34E and was drilled in 2012. The well has a reported depth to groundwater of 140 feet below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO)
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

On October 9, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Before collecting site assessment samples, the NMOCD division office was notified via NMOCD web portal on October 1, 2024, per Subsection D of 19.15.29.12 NMAC. To assess the vertical and horizontal extent, six (6) Borehole samples (BH-1 through BH-6) and seven (7) horizontal samples (H-1 through

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432.813.1992



H-7) were advanced to depths ranging from the surface to 5' 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 Envirotech Inc. in Farmington, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

All sample locations were vertically delineated and below regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Horizontal Delineation

All horizontal locations were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

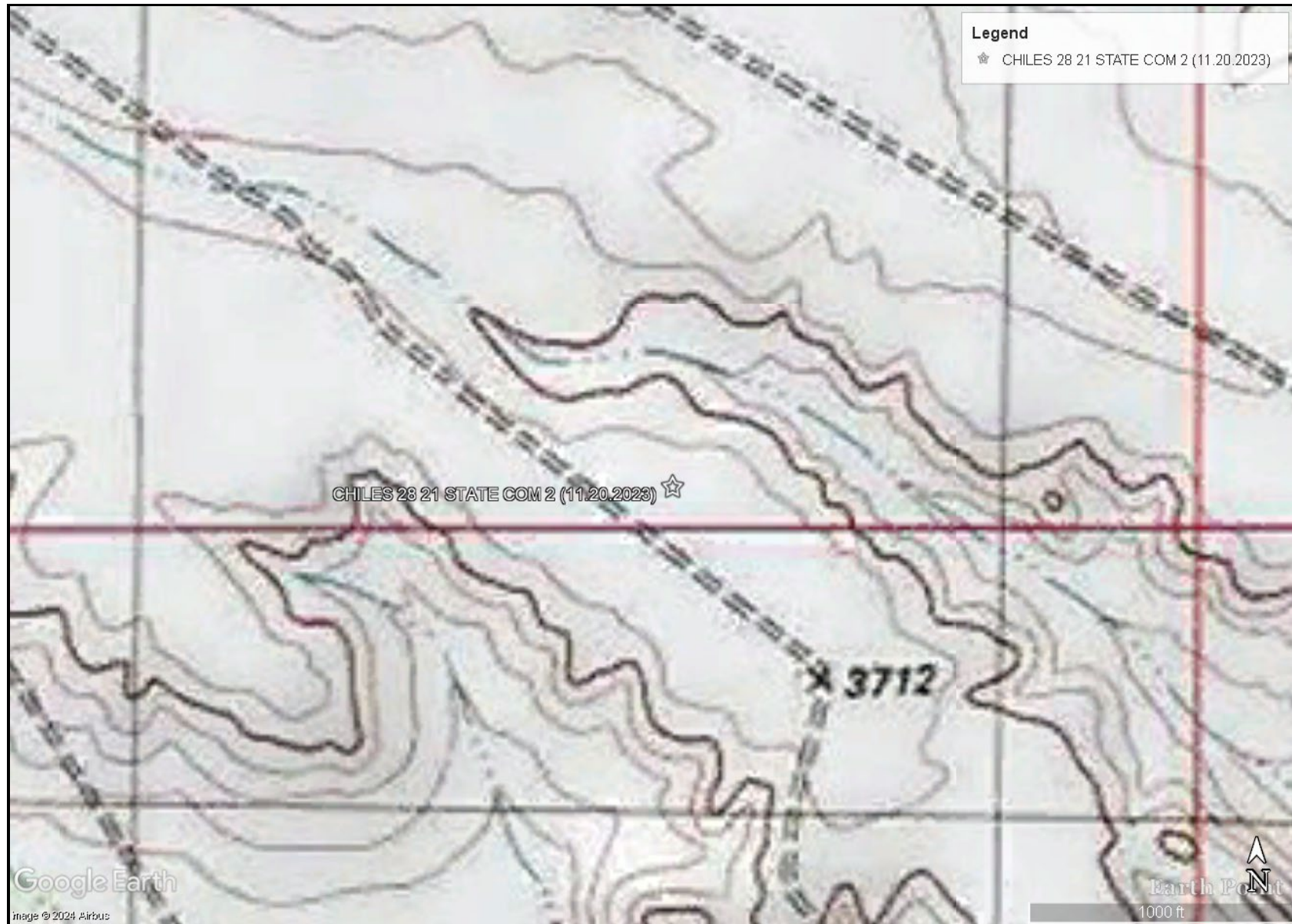
Mike Carmona
Environmental Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
DEVON ENERGY
CHILES 28 21 STATE COM 2 (11.20.2023)
LEA COUNTY, NEW MEXICO
32.443404°, -103.473873°



FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
Devon Energy
Chiles 28 21 State Com 2 (11.20.2023)
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						
BH-1	10/9/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.9
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	162
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	104
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.1
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	97.2
BH-2	10/9/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	192
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	103
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	107
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	164
	"	5.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	297
BH-3	10/9/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.9
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	67.3
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	117
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	46.9
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.2
BH-4	10/9/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	118
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	109
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	108
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	148
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	135
BH-5	10/9/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.6
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.4
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.4
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	104
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	108
BH-6	10/9/2024	0-1.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	129
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.1
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.6
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.10
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.64
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Borehole Sample

Table 1
Devon Energy
Chiles 28 21 State Com 2 (11.20.2023)
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						
H-1	10/9/2024	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.0
H-2	10/9/2024	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.7
H-3	10/9/2024	0-1.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	0.00644	0.00644	83.3
H-4	10/9/2024	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.6
H-5	10/9/2024	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.3
H-6	10/9/2024	0-1.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	111
H-7	10/9/2024	0-1.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.7
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 1

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View North, area of Borehole-1.



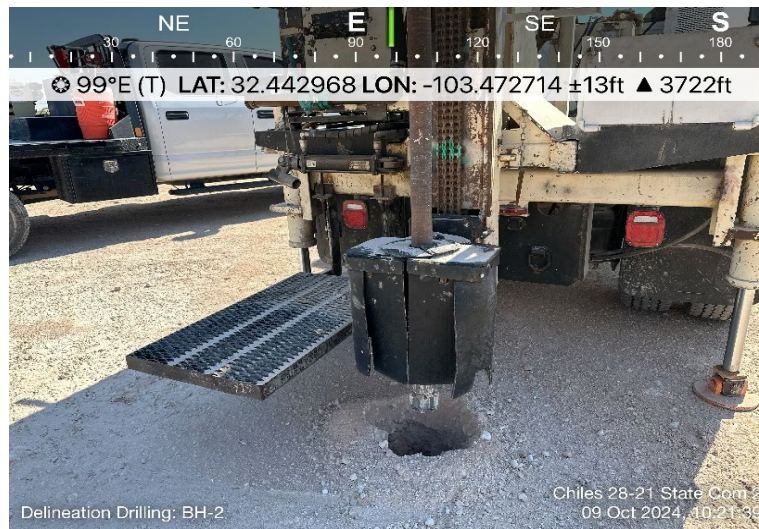
Photograph No. 2

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View East, area of Borehole-2.



Photograph No. 3

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View North, area of Borehole-3.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 4

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View Northeast, area of Borehole-4.



Photograph No. 5

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View North, area of Borehole-5.



Photograph No. 6

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View North, area of Borehole-6.



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 7

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View North, Delineation Area.



Photograph No. 8

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View West, Delineation Area.



Photograph No. 9

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:

View Northwest, Delineation Area.



PHOTOGRAPHIC LOG

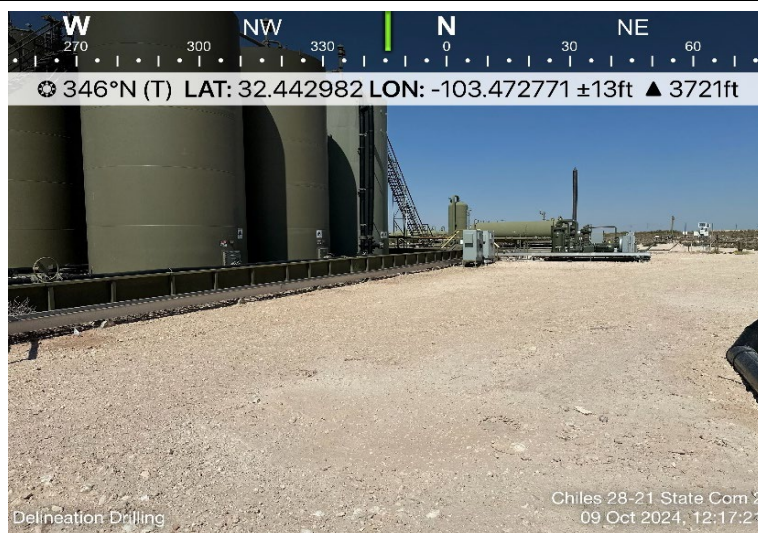
Devon Energy

Photograph No. 10

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:
View North, Delineation Area.



Photograph No. 11

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:
View East, Delineation Area.



Photograph No. 12

Facility: CHILES 28 21 STATE COM 2
(11.20.2023)

County: Lea County, New Mexico

Description:
View Southwest, Delineation Area.



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 286272

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286272
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	CHILES 28 21 STATE COM 2
Date Release Discovered	11/20/2023
Surface Owner	Private

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
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	flange on water takeaway line developed a leak. WTP were shut off to stop spill. Line belongs to Delek.

District I

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QUESTIONS, Page 2

Action 286272

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286272
	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 19.15.29.7(A) NMAC	No, minor release.
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	Not answered.
If YES, was immediate notice given to the OCD, to whom	Not answered.
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.
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	False
If all the actions described above have not been undertaken, explain why	fluids soaked into ground. zero recovered

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

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ACKNOWLEDGMENTS

Action 286272

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286272
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a releases 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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CONDITIONS

Action 286272

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286272
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/20/2023

District I
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State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2332464197
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2332464197
Contact mailing address 205 E. Bender Road. #150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.443404 Longitude -103.473873
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CHILES 28 21 STATE COM #002H	Site Type OIL
Date Release Discovered 11/20/2023	API# (if applicable) 30-025-45321

Unit Letter	Section	Township	Range	County
O	28	21S	34E	LEA

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: MERCHANT LIVESTOCK COMPANY)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 12.3	Volume Recovered (bbls) 10
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Flange on water takeaway line developed a leak. WTP were shut off to stop spill. Line belongs to Delek.

Incident ID	nAPP2332464197
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped. ☐ The impacted area has been secured to protect human health and the environment. ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Dale Woodall</u>	Title: <u>Env. Professional</u>
Signature: <u><i>Dale Woodall</i></u>	Date: <u>11/29/2023</u>
email: <u>dale.woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>11/29/2023</u>	

CHILES 28 21 STATE COM 2

OCD incident # napp2332464197

11/19/2023

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>3,500.00</u>	<u>1.00</u>
Cubic Feet of Soil Impacted	<u>291.67</u>
Barrels of Soil Impacted	<u>51.99</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>7.80</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>7.80</u>
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>1,700.00</u>	<u>0.180</u>
Standing fluid	<u>4.54</u>
<u>Total fluids spilled</u>	<u>12.33</u>

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 289320

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 289320
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/29/2023

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 388645

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388645
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332464197
Incident Name	NAPP2332464197 CHILES 28 21 STATE COM 2 @ 30-025-45351
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-45351] CHILES 28 21 STATE COM #002H

Location of Release Source	
Site Name	CHILES 28 21 STATE COM 2
Date Release Discovered	11/20/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,500
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
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	Coordinates: (32.443404,-103.473873) Carmona Resources will be onsite on 10.09.2024 to install boreholes to sample the entire previously remediated spill area.

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
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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

CONDITIONS

Action 388645

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 388645
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	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.	10/1/2024

Ashton Thielke

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, October 1, 2024 8:38 AM
To: Ashton Thielke
Cc: cassie.whitefield@deleklogistics.com; dale.woodall@dvn.com
Subject: Re: [EXTERNAL] NAPP2332464197 - CHILES 28 21 STATE COM 2 (11.20.2023) - Extension Request

Good morning Ashton,

Thank you for the inquiry.

The incident remediation closure report due date (RCR-DD) had lapsed after February 19, 2024. In the future, please submit your requests prior to its RCR-DD. Failure to do so may result in any request being denied.

Given the circumstances as explained per our telephone conversation yesterday and email below, your request for a 90-day time extension request date is approved. The Remediation Due date has been updated to 12/30/2024.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience. Thank you.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Monday, September 30, 2024 3:38 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com <Cassie.Whitefield@deleklogistics.com>; dale.woodall@dvn.com <dale.woodall@dvn.com>
Subject: [EXTERNAL] NAPP2332464197 - CHILES 28 21 STATE COM 2 (11.20.2023) - Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Nelson,

On behalf of Devon Energy, we are requesting a 90-extension request on above-mentioned spill. As discussed with you over the phone, a previous dirt contractor completed work onsite that would not meet current NMOCD requirements. A full site assessment is scheduled to be completed in the next 2 weeks to investigate if any remaining impact is onsite that exceeds NMOCD remediation requirements. A sampling notification will be placed 48 hours prior to that full site assessment in the event that those samples are used for the closure report.

Please let me know if you have any questions.

Thanks!

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
[Environmental Consulting Firm - Carmona Resources](#)



Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

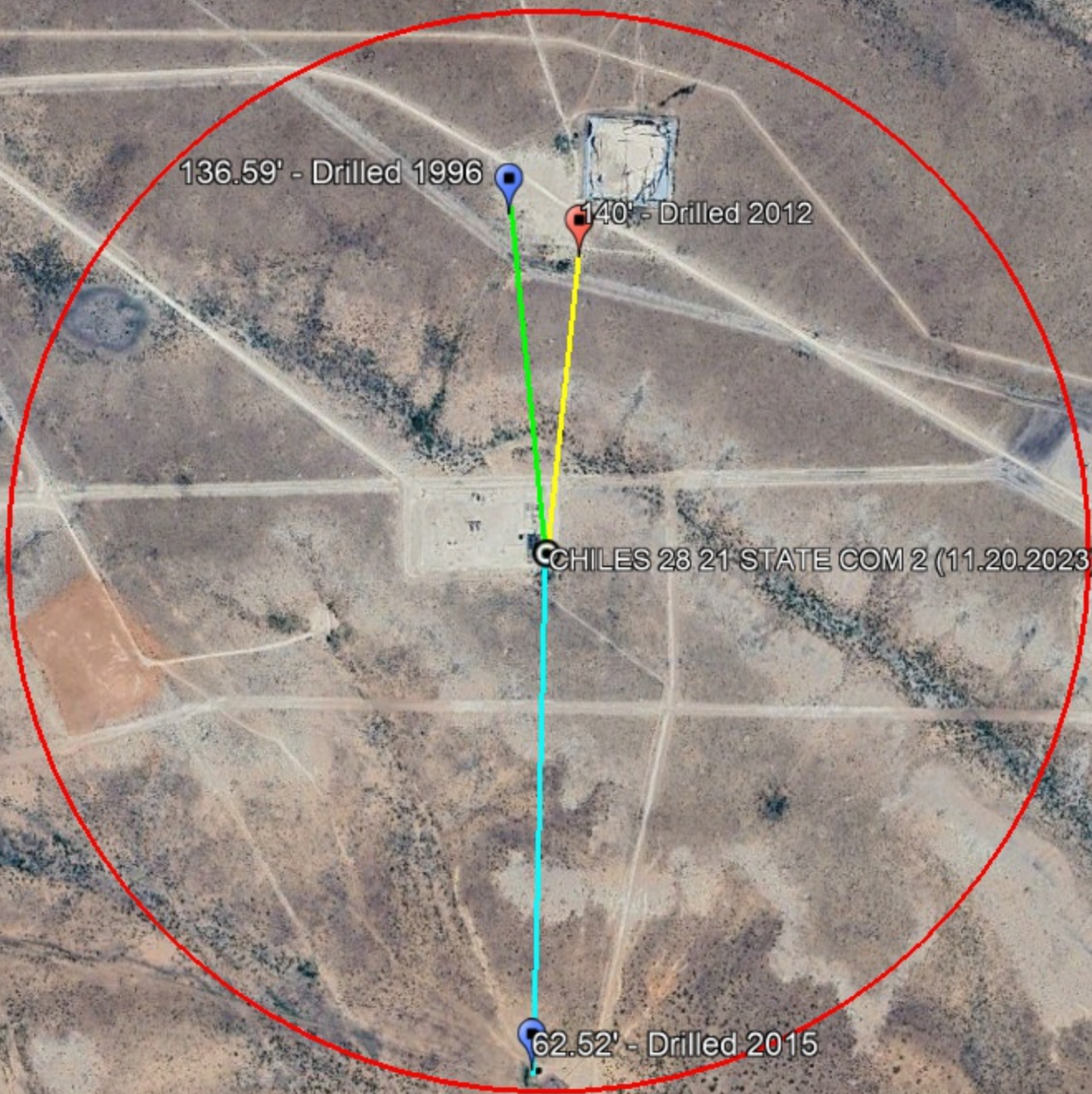


Nearest water well

Devon Energy

Legend

- 0.28 Miles
- 0.32 Miles
- 0.48 Miles
- 0.50 Mile Radius
- CHILES 28 21 STATE COM 2 (11.20.2023)
- NMSEO Water Well
- USGS Water Well



Low Karst

Devon Energy

Legend

- CHILES 28 21 STATE COM 2 (11.20.2023)
- Low

CHILES 28 21 STATE COM 2 (11.20.2023)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01068 POD1		CP	LE	SE	NW	SE	28	21S	34E	643609.0	3591005.0		437	180	140	40
CP 00571 POD1		CP	LE	SW	NW	SE	28	21S	34E	643499.0	3591063.0		499	170	135	35
CP 01069 POD1		CP	LE	NE	NW	SE	28	21S	34E	643737.0	3591191.0		644	210	140	70
CP 00588 POD1		CP	LE		SW	NE	33	21S	34E	643583.0	3589918.0 *		651	89		
CP 00589 POD1		CP	LE		SW	NE	33	21S	34E	643583.0	3589918.0 *		651	84		
CP 01066 POD1		CP	LE	SE	SW	NE	28	21S	34E	643735.0	3591345.0		793	210	140	70
CP 01091 POD1		CP	LE	SW	SW	NE	28	21S	34E	643446.0	3591434.0		873	200	140	60
CP 01067 POD1		CP	LE	NW	SW	SE	28	21S	34E	643446.8	3591434.2		873	210	140	70
CP 00583		CP	LE			SW	21	21S	34E	642944.0	3592518.0 *		2047	171	128	43
CP 00944 POD1		CP	LE		SW	NW	03	22S	34E	644530.7	3588351.0		2417	109	70	39
CP 01912		CP	LE	NW	NE	SW	35	21S	34E	646311.8	3589704.1		2874	106		
CP 00744		CP	LE		NW	NE	09	22S	34E	643618.0	3587091.0 *		3478	460		
CP 00597 POD1		CP	LE		NE	NE	08	22S	34E	642410.0	3587074.0 *		3682	35		
CP 01364 POD1		CP	LE	SE	NE	SW	16	21S	34E	643146.9	3594331.5		3786	165	105	60

Average Depth to Water: 126 feet

Minimum Depth: 70 feet

Maximum Depth: 140 feet

Record Count: 14

UTM Filters (in meters):

Easting: 643570.00
Northing: 3590569.00
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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) CP 01068				OSE FILE NUMBER(S)				
	WELL OWNER NAME(S) Glenn's Water Well Service, Inc./Merchants Livestock Co., Inc.				PHONE (OPTIONAL) (575)398-2424				
	WELL OWNER MAILING ADDRESS P.O. Box 692				CITY Tatum		STATE NM	ZIP 88267	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 26	SECONDS 49.00 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84				
LONGITUDE 103								28	20.00 W
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS									
2. OPTIONAL	(2.5 ACRE) SW 1/4	(10 ACRE) SE 1/4	(40 ACRE) NW 1/4	(160 ACRE) SE 1/4	SECTION 28	TOWNSHIP 21 ☐ NORTH ☒ SOUTH	RANGE 34 ☒ EAST ☐ WEST		
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT		
	HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER		
3. DRILLING INFORMATION	LICENSE NUMBER WD 421		NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.			
	DRILLING STARTED 3/10/2012		DRILLING ENDED 3/12/2012		DEPTH OF COMPLETED WELL (FT) 180'	BORE HOLE DEPTH (FT) 180'	DEPTH WATER FIRST ENCOUNTERED (FT) 140'		
	COMPLETED WELL IS ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID ☒ AIR ☐ MUD ☐ ADDITIVES - SPECIFY								
	DRILLING METHOD ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY								
	DEPTH (FT) FROM TO		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)	
	0 20'		10 3/4	Steel Cemented		10.250	.250		
	0 180'		6 5/8	PVC 200 lb. casing		6.205	.210		
	80'			perforations on bottom					
4. WATER BEARING STRATA	DEPTH (FT) FROM TO		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)			YIELD (GPM)		
	140 170		30	Water and Sand			40		
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA						TOTAL ESTIMATED WELL YIELD (GPM)			

FOR OSE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER	CP-1068	POD NUMBER	1
LOCATION	51.34.28 4143	TRN NUMBER	4941.23
			PAGE 1 OF 2

Attest

5. SEAL AND PUMP	TYPE OF PUMP ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP - WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER - SPECIFY:						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	20'				
	0	210'	14 1/2	cemented	4 sacks	Top Pour	
			9 7/8	3/8 Veilmore gravel	6 cu yards	Top Pour	

6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?	
	FROM	TO				
	0	2	2	Soil	☐ YES ☒ NO	
	2	12	10	Caleche	☐ YES ☒ NO	
	12	140	128	Sand	☐ YES ☒ NO	
	140	170	30	Water and Sand	☒ YES ☐ NO	
	170	180	10	Red Clay	☐ YES ☒ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
					☐ YES ☐ NO	
	ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL.					

7. TEST & ADDITIONAL INFO	WELL TEST	METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER - SPECIFY:
		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	ADDITIONAL STATEMENTS OR EXPLANATIONS	

8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER	3/21/12 DATE

FOR USE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER CP-1168	POB NUMBER 1	FRN NUMBER 494123
LOCATION 21.34.28.4143		PAGE 2 OF 2

Stack



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- 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 =

- 322650103281801

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

USGS 322650103281801 21S.34E.28.413232

Lea County, New Mexico
Latitude 32°26'51", Longitude 103°28'24" NAD27
Land-surface elevation 3,728.00 feet above NGVD29
The depth of the well is 170 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1981-09-16			D 62610		3590.38	NGVD29	1	Z			A
1981-09-16			D 62611		3591.99	NAVD88	1	Z			A
1981-09-16			D 72019	137.62			1	Z			A
1986-03-20			D 62610		3590.96	NGVD29	1	Z			A
1986-03-20			D 62611		3592.57	NAVD88	1	Z			A
1986-03-20			D 72019	137.04			1	Z			A
1991-04-19			D 62610		3590.33	NGVD29	1	Z			A
1991-04-19			D 62611		3591.94	NAVD88	1	Z			A
1991-04-19			D 72019	137.67			1	Z			A
1996-03-13			D 62610		3591.41	NGVD29	1	S			A
1996-03-13			D 62611		3593.02	NAVD88	1	S			A
1996-03-13			D 72019	136.59			1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.

Section	Code	Description
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Data Tips](#)
[Explanation of terms](#)
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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-10-01 09:55:19 EDT
0.36 0.26 nadww01



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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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 =

- 322556103282401

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

USGS 322556103282401 21S.34E.33.233442

Lea County, New Mexico
Latitude 32°26'10.1", Longitude 103°28'22.7" NAD83
Land-surface elevation 3,642 feet above NAVD88
The depth of the well is 92 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-03-28			D 62610		3576.34	NGVD29	P	Z			A
1968-03-28			D 62611		3577.95	NAVD88	P	Z			A
1968-03-28			D 72019	64.05			P	Z			A
1971-02-04			D 62610		3575.94	NGVD29	P	Z			A
1971-02-04			D 62611		3577.55	NAVD88	P	Z			A
1971-02-04			D 72019	64.45			P	Z			A
1976-12-15			D 62610		3577.29	NGVD29	1	Z			A
1976-12-15			D 62611		3578.90	NAVD88	1	Z			A
1976-12-15			D 72019	63.10			1	Z			A
1981-03-05			D 62610		3577.33	NGVD29	1	Z			A
1981-03-05			D 62611		3578.94	NAVD88	1	Z			A
1981-03-05			D 72019	63.06			1	Z			A
1986-03-20			D 62610		3577.72	NGVD29	1	Z			A
1986-03-20			D 62611		3579.33	NAVD88	1	Z			A
1986-03-20			D 72019	62.67			1	Z			A
1991-05-03			D 62610		3577.77	NGVD29	1	Z			A
1991-05-03			D 62611		3579.38	NAVD88	1	Z			A
1991-05-03			D 72019	62.62			1	Z			A
1996-02-16			D 62610		3577.82	NGVD29	1	S			A
1996-02-16			D 62611		3579.43	NAVD88	1	S			A
1996-02-16			D 72019	62.57			1	S			A
2015-12-18	17:30 UTC		m 62610		3577.87	NGVD29	1	S	USGS	S	A
2015-12-18	17:30 UTC		m 62611		3579.48	NAVD88	1	S	USGS	S	A
2015-12-18	17:30 UTC		m 72019	62.52			1	S	USGS	S	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
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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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



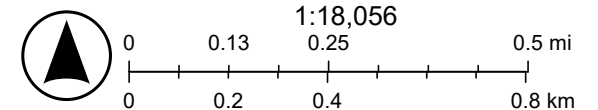
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-10-01 09:56:40 EDT
0.39 0.27 nadww02

CHILES 28 21 STATE COM 2 (11.20.2023)



10/1/2024

World Hillshade



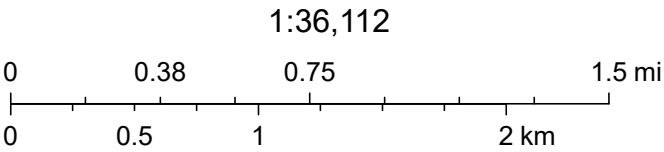
Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom,

CHILES 28 21 STATE COM 2 (11.20.2023)



10/1/2024, 8:48:57 AM

- OSW Water Bodies
- OSE Probable Playas



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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/14/2024 3:26:30 PM

JOB DESCRIPTION

Chiles 28-21 State Com 2
Lea County, NM

JOB NUMBER

880-49600-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

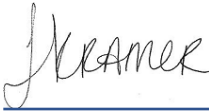
Eurofins Midland

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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10/14/2024 3:26:30 PM

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

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Laboratory Job ID: 880-49600-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

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: Chiles 28-21 State Com 2

Job ID: 880-49600-1

Job ID: 880-49600-1

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Job Narrative
880-49600-1

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 10/9/2024 4:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.9°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-1 (0-1.0') (880-49600-1), BH-1 (2.0') (880-49600-2), BH-1 (3.0') (880-49600-3), BH-1 (4.0') (880-49600-4), BH-1 (5.0') (880-49600-5), BH-2 (0-1.0') (880-49600-6), BH-2 (2.0') (880-49600-7), BH-2 (3.0') (880-49600-8), BH-2 (4.0') (880-49600-9), BH-2 (5.0') (880-49600-10), BH-3 (0-1.0') (880-49600-11), BH-3 (2.0') (880-49600-12), BH-3 (3.0') (880-49600-13), BH-3 (4.0') (880-49600-14), BH-3 (5.0') (880-49600-15), BH-4 (0-1.0') (880-49600-16), BH-4 (2.0') (880-49600-17), BH-4 (3.0') (880-49600-18), BH-4 (4.0') (880-49600-19), BH-4 (5.0') (880-49600-20), BH-5 (0-1.0') (880-49600-21), BH-5 (2.0') (880-49600-22), BH-5 (3.0') (880-49600-23), BH-5 (4.0') (880-49600-24), BH-5 (5.0') (880-49600-25), BH-6 (0-1.0') (880-49600-26), BH-6 (2.0') (880-49600-27), BH-6 (3.0') (880-49600-28), BH-6 (4.0') (880-49600-29) and BH-6 (5.0') (880-49600-30).

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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-2 (3.0') (880-49600-8) and (MB 880-92935/5-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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-92753/2-A) and (LCSD 880-92753/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92948 and analytical batch 880-93130 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92955 and analytical batch 880-93132 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92955/2-A) and (LCSD 880-92955/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-6 (4.0') (880-49600-29). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Chiles 28-21 State Com 2

Job ID: 880-49600-1

Job ID: 880-49600-1 (Continued) Eurofins Midland

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (0-1.0')

Lab Sample ID: 880-49600-1

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 12:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 12:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 12:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 12:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 12:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/10/24 08:06	10/10/24 12:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/10/24 08:06	10/10/24 12:37	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 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 00:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 00:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/10/24 09:20	10/12/24 00:05	1
o-Terphenyl	81		70 - 130	10/10/24 09:20	10/12/24 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.97		mg/Kg			10/10/24 14:31	1

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-49600-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 13:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 13:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 13:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 13:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 13:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 08:06	10/10/24 13:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/10/24 08:06	10/10/24 13:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-49600-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/12/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 09:20	10/12/24 00:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:20	10/12/24 00:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/10/24 09:20	10/12/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/10/24 09:20	10/12/24 00:52	1
o-Terphenyl	77		70 - 130				10/10/24 09:20	10/12/24 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.96		mg/Kg			10/10/24 14:36	1

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-49600-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 13:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 13:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/10/24 08:06	10/10/24 13:30	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/10/24 08:06	10/10/24 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 01:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-49600-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 09:20	10/12/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/10/24 09:20	10/12/24 01:07	1
o-Terphenyl	81		70 - 130				10/10/24 09:20	10/12/24 01:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.05		mg/Kg			10/10/24 14:42	1

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-49600-4

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/10/24 08:06	10/10/24 13:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/10/24 08:06	10/10/24 13:57	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			10/10/24 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/10/24 09:20	10/12/24 01:22	1
o-Terphenyl	79		70 - 130				10/10/24 09:20	10/12/24 01:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1		5.04		mg/Kg			10/10/24 14:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (5.0')

Lab Sample ID: 880-49600-5

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 14:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 14:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 14:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 14:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/10/24 08:06	10/10/24 14:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/10/24 08:06	10/10/24 14:23	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 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 01:38	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	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 01:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 01:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	10/10/24 09:20	10/12/24 01:38	1
o-Terphenyl	74		70 - 130	10/10/24 09:20	10/12/24 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.2		5.03		mg/Kg			10/10/24 15:03	1

Client Sample ID: BH-2 (0-1.0')

Lab Sample ID: 880-49600-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 14:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 14:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 14:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 14:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 14:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/10/24 08:06	10/10/24 14:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/10/24 08:06	10/10/24 14:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-2 (0-1.0')

Lab Sample ID: 880-49600-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/10/24 09:20	10/12/24 01:54	1
o-Terphenyl	88		70 - 130				10/10/24 09:20	10/12/24 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		5.05		mg/Kg			10/10/24 15:09	1

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-49600-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 15:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/10/24 08:06	10/10/24 15:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/10/24 08:06	10/10/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/10/24 08:06	10/10/24 15:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/10/24 08:06	10/10/24 15:17	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 15:17	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			10/12/24 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 02:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 02:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-49600-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 09:20	10/12/24 02:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/10/24 09:20	10/12/24 02:11	1
o-Terphenyl	83		70 - 130				10/10/24 09:20	10/12/24 02:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.95		mg/Kg			10/10/24 15:25	1

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-49600-8

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 15:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/10/24 08:06	10/10/24 15:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 15:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/10/24 08:06	10/10/24 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10	S1-	70 - 130				10/10/24 08:06	10/10/24 15:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/10/24 08:06	10/10/24 15:44	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 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 02:26	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 09:20	10/12/24 02:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 02:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/10/24 09:20	10/12/24 02:26	1
o-Terphenyl	89		70 - 130				10/10/24 09:20	10/12/24 02:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.03		mg/Kg			10/10/24 15:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-49600-9

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 16:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 16:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 16:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 16:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 16:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 08:06	10/10/24 16:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/10/24 08:06	10/10/24 16:10	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 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 02:43	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 09:20	10/12/24 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	10/10/24 09:20	10/12/24 02:43	1
o-Terphenyl	90		70 - 130	10/10/24 09:20	10/12/24 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.97		mg/Kg			10/10/24 15:36	1

Client Sample ID: BH-2 (5.0')

Lab Sample ID: 880-49600-10

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 16:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 16:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 16:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 08:06	10/10/24 16:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/10/24 08:06	10/10/24 16:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-2 (5.0')

Lab Sample ID: 880-49600-10

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/12/24 02:59	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	<49.6	U	49.6		mg/Kg		10/10/24 09:20	10/12/24 02:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/10/24 09:20	10/12/24 02:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/10/24 09:20	10/12/24 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/10/24 09:20	10/12/24 02:59	1
o-Terphenyl	85		70 - 130				10/10/24 09:20	10/12/24 02:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		4.99		mg/Kg			10/10/24 15:41	1

Client Sample ID: BH-3 (0-1.0')

Lab Sample ID: 880-49600-11

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/10/24 08:06	10/10/24 18:24	1
1,4-Difluorobenzene (Surr)	82		70 - 130				10/10/24 08:06	10/10/24 18:24	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 18:24	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			10/12/24 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 03:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 03:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (0-1.0')

Lab Sample ID: 880-49600-11

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 09:20	10/12/24 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/10/24 09:20	10/12/24 03:30	1
o-Terphenyl	81		70 - 130				10/10/24 09:20	10/12/24 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		5.00		mg/Kg			10/10/24 15:47	1

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-49600-12

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 18:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 18:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 18:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 18:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 18:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				10/10/24 08:06	10/10/24 18:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/10/24 08:06	10/10/24 18:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/10/24 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 03:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 03:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/10/24 09:20	10/12/24 03:45	1
o-Terphenyl	80		70 - 130				10/10/24 09:20	10/12/24 03:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.3		5.02		mg/Kg			10/10/24 15:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (3.0')

Lab Sample ID: 880-49600-13

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 19:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/10/24 08:06	10/10/24 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 19:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/10/24 08:06	10/10/24 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/10/24 08:06	10/10/24 19:18	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/10/24 08:06	10/10/24 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/10/24 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 04:01	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	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	10/10/24 09:20	10/12/24 04:01	1
o-Terphenyl	79		70 - 130	10/10/24 09:20	10/12/24 04:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.05		mg/Kg			10/10/24 15:57	1

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-49600-14

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 19:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 19:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 19:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 19:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 19:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/10/24 08:06	10/10/24 19:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/10/24 08:06	10/10/24 19:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-49600-14

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 04:17	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 09:20	10/12/24 04:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 04:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/10/24 09:20	10/12/24 04:17	1
o-Terphenyl	87		70 - 130				10/10/24 09:20	10/12/24 04:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.9		4.95		mg/Kg			10/10/24 15:32	1

Client Sample ID: BH-3 (5.0')

Lab Sample ID: 880-49600-15

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 20:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 20:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 20:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 20:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 20:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/10/24 08:06	10/10/24 20:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/10/24 08:06	10/10/24 20:11	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 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (5.0')

Lab Sample ID: 880-49600-15

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/10/24 09:20	10/12/24 04:33	1
o-Terphenyl	82		70 - 130				10/10/24 09:20	10/12/24 04:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.2		4.96		mg/Kg			10/10/24 15:52	1

Client Sample ID: BH-4 (0-1.0')

Lab Sample ID: 880-49600-16

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 20:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 20:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 20:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 20:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 20:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 08:06	10/10/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/10/24 08:06	10/10/24 20:37	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/10/24 08:06	10/10/24 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/10/24 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 04:48	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		10/10/24 09:20	10/12/24 04:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 04:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 04:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/10/24 09:20	10/12/24 04:48	1
o-Terphenyl	86		70 - 130				10/10/24 09:20	10/12/24 04:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.98		mg/Kg			10/10/24 15:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-49600-17

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 21:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 21:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 21:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 21:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/24 08:06	10/10/24 21:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/24 08:06	10/10/24 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/10/24 08:06	10/10/24 21:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/10/24 08:06	10/10/24 21:04	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 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 05:06	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	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 05:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 05:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 09:20	10/12/24 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/10/24 09:20	10/12/24 05:06	1
o-Terphenyl	79		70 - 130	10/10/24 09:20	10/12/24 05:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.04		mg/Kg			10/10/24 16:06	1

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-49600-18

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 21:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 21:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 21:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/10/24 08:06	10/10/24 21:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:06	10/10/24 21:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/10/24 08:06	10/10/24 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/10/24 08:06	10/10/24 21:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/10/24 08:06	10/10/24 21:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-49600-18

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 05:21	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 09:20	10/12/24 05:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 05:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/12/24 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/10/24 09:20	10/12/24 05:21	1
o-Terphenyl	81		70 - 130				10/10/24 09:20	10/12/24 05:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.98		mg/Kg			10/10/24 16:12	1

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-49600-19

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 21:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 21:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 21:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 21:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:06	10/10/24 21:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:06	10/10/24 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/10/24 08:06	10/10/24 21:57	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/10/24 08:06	10/10/24 21:57	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			10/10/24 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/12/24 05:38	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 09:20	10/12/24 05:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 09:20	10/12/24 05:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-49600-19

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 09:20	10/12/24 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/10/24 09:20	10/12/24 05:38	1
o-Terphenyl	79		70 - 130				10/10/24 09:20	10/12/24 05:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		5.02		mg/Kg			10/10/24 16:32	1

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-49600-20

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:06	10/10/24 22:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 22:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 22:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 22:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:06	10/10/24 22:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/10/24 08:06	10/10/24 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				10/10/24 08:06	10/10/24 22:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/10/24 08:06	10/10/24 22:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/10/24 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 05:53	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		10/10/24 09:20	10/12/24 05:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 05:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 09:20	10/12/24 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/10/24 09:20	10/12/24 05:53	1
o-Terphenyl	80		70 - 130				10/10/24 09:20	10/12/24 05:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.97		mg/Kg			10/10/24 16:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (0-1.0')

Lab Sample ID: 880-49600-21

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 12:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 12:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 12:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 12:47	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		10/10/24 08:08	10/10/24 12:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/10/24 08:08	10/10/24 12:47	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/10/24 08:08	10/10/24 12:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/10/24 23:42	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		10/08/24 08:26	10/10/24 23:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/10/24 23:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/10/24 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/08/24 08:26	10/10/24 23:42	1
o-Terphenyl	74		70 - 130	10/08/24 08:26	10/10/24 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.6		4.96		mg/Kg			10/10/24 16:46	1

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-49600-22

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 13:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 13:08	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/10/24 08:08	10/10/24 13:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/10/24 08:08	10/10/24 13:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-49600-22

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/10/24 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/10/24 23:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/10/24 23:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/10/24 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/08/24 08:26	10/10/24 23:57	1
o-Terphenyl	72		70 - 130				10/08/24 08:26	10/10/24 23:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.4		5.05		mg/Kg			10/10/24 16:52	1

Client Sample ID: BH-5 (3.0')

Lab Sample ID: 880-49600-23

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 13:28	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		10/10/24 08:08	10/10/24 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/10/24 08:08	10/10/24 13:28	1
1,4-Difluorobenzene (Surr)	114		70 - 130				10/10/24 08:08	10/10/24 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/10/24 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/11/24 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/08/24 08:26	10/11/24 00:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/08/24 08:26	10/11/24 00:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (3.0')

Lab Sample ID: 880-49600-23

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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		10/08/24 08:26	10/11/24 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/08/24 08:26	10/11/24 00:13	1
o-Terphenyl	75		70 - 130				10/08/24 08:26	10/11/24 00:13	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.4		4.99		mg/Kg			10/10/24 16:59	1

Client Sample ID: BH-5 (4.0')

Lab Sample ID: 880-49600-24

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 13:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:08	10/10/24 13:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/10/24 08:08	10/10/24 13:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/10/24 08:08	10/10/24 13:49	1
o-Xylene	<0.00198	U *	0.00198		mg/Kg		10/10/24 08:08	10/10/24 13:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/10/24 08:08	10/10/24 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				10/10/24 08:08	10/10/24 13:49	1
1,4-Difluorobenzene (Surr)	118		70 - 130				10/10/24 08:08	10/10/24 13:49	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/10/24 13:49	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/11/24 00:29	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	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/11/24 00:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/11/24 00:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/24 08:26	10/11/24 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/08/24 08:26	10/11/24 00:29	1
o-Terphenyl	79		70 - 130				10/08/24 08:26	10/11/24 00:29	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.00		mg/Kg			10/10/24 17:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-49600-25

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 14:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/10/24 08:08	10/10/24 14:09	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/10/24 08:08	10/10/24 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/10/24 08:08	10/10/24 14:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/10/24 08:08	10/10/24 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/10/24 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 00:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	10/10/24 10:18	10/12/24 00:05	1
o-Terphenyl	107		70 - 130	10/10/24 10:18	10/12/24 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.05		mg/Kg			10/10/24 17:26	1

Client Sample ID: BH-6 (0-1.0')

Lab Sample ID: 880-49600-26

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 14:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/10/24 08:08	10/10/24 14:30	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		10/10/24 08:08	10/10/24 14:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/10/24 08:08	10/10/24 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/10/24 08:08	10/10/24 14:30	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/10/24 08:08	10/10/24 14:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-6 (0-1.0')

Lab Sample ID: 880-49600-26

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 00:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 00:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/10/24 10:18	10/12/24 00:52	1
o-Terphenyl	105		70 - 130				10/10/24 10:18	10/12/24 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		5.03		mg/Kg			10/10/24 17:33	1

Client Sample ID: BH-6 (2.0')

Lab Sample ID: 880-49600-27

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 14:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 14:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 14:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 14:50	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		10/10/24 08:08	10/10/24 14:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/10/24 08:08	10/10/24 14:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/10/24 08:08	10/10/24 14:50	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 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/12/24 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/10/24 10:18	10/12/24 01:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/10/24 10:18	10/12/24 01:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-6 (2.0')

Lab Sample ID: 880-49600-27

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 10:18	10/12/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				10/10/24 10:18	10/12/24 01:07	1
o-Terphenyl	115		70 - 130				10/10/24 10:18	10/12/24 01:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		5.05		mg/Kg			10/10/24 17:53	1

Client Sample ID: BH-6 (3.0')

Lab Sample ID: 880-49600-28

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 15:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 08:08	10/10/24 15:11	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		10/10/24 08:08	10/10/24 15:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 08:08	10/10/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				10/10/24 08:08	10/10/24 15:11	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/10/24 08:08	10/10/24 15:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/10/24 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/24 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 01:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 01:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/12/24 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				10/10/24 10:18	10/12/24 01:22	1
o-Terphenyl	114		70 - 130				10/10/24 10:18	10/12/24 01:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.97		mg/Kg			10/10/24 17:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-6 (4.0')

Lab Sample ID: 880-49600-29

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 17:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/24 08:08	10/10/24 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 17:02	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		10/10/24 08:08	10/10/24 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/24 08:08	10/10/24 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/10/24 08:08	10/10/24 17:02	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/10/24 08:08	10/10/24 17:02	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 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/24 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 01:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/24 10:18	10/12/24 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	10/10/24 10:18	10/12/24 01:38	1
o-Terphenyl	122		70 - 130	10/10/24 10:18	10/12/24 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.10		5.00		mg/Kg			10/10/24 18:06	1

Client Sample ID: BH-6 (5.0')

Lab Sample ID: 880-49600-30

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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 08:08	10/10/24 17:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 17:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:08	10/10/24 17:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/10/24 08:08	10/10/24 17:22	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		10/10/24 08:08	10/10/24 17:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/24 08:08	10/10/24 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/10/24 08:08	10/10/24 17:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/10/24 08:08	10/10/24 17:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-6 (5.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-30
Matrix: Solid

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 17:22	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			10/12/24 01:54	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 01:54	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 01:54	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/24 10:18	10/12/24 01:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	129		70 - 130				10/10/24 10:18	10/12/24 01:54	1	
o-Terphenyl	120		70 - 130				10/10/24 10:18	10/12/24 01:54	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8.64		4.96		mg/Kg			10/10/24 18:13	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-49596-A-1-B MS	Matrix Spike	109	102
880-49596-A-1-C MSD	Matrix Spike Duplicate	109	98
880-49600-1	BH-1 (0-1.0')	99	88
880-49600-1 MS	BH-1 (0-1.0')	111	102
880-49600-1 MSD	BH-1 (0-1.0')	107	98
880-49600-2	BH-1 (2.0')	112	96
880-49600-3	BH-1 (3.0')	111	92
880-49600-4	BH-1 (4.0')	109	98
880-49600-5	BH-1 (5.0')	116	100
880-49600-6	BH-2 (0-1.0')	116	99
880-49600-7	BH-2 (2.0')	116	99
880-49600-8	BH-2 (3.0')	10 S1-	96
880-49600-9	BH-2 (4.0')	112	94
880-49600-10	BH-2 (5.0')	112	91
880-49600-11	BH-3 (0-1.0')	108	82
880-49600-12	BH-3 (2.0')	114	98
880-49600-13	BH-3 (3.0')	109	96
880-49600-14	BH-3 (4.0')	120	97
880-49600-15	BH-3 (5.0')	111	97
880-49600-16	BH-4 (0-1.0')	112	94
880-49600-17	BH-4 (2.0')	112	103
880-49600-18	BH-4 (3.0')	116	94
880-49600-19	BH-4 (4.0')	116	105
880-49600-20	BH-4 (5.0')	127	103
880-49600-21	BH-5 (0-1.0')	105	104
880-49600-22	BH-5 (2.0')	117	107
880-49600-23	BH-5 (3.0')	119	114
880-49600-24	BH-5 (4.0')	126	118
880-49600-25	BH-5 (5.0')	120	105
880-49600-26	BH-6 (0-1.0')	117	110
880-49600-27	BH-6 (2.0')	120	103
880-49600-28	BH-6 (3.0')	123	110
880-49600-29	BH-6 (4.0')	91	104
880-49600-30	BH-6 (5.0')	109	105
LCS 880-92935/1-A	Lab Control Sample	103	102
LCS 880-92936/1-A	Lab Control Sample	103	97
LCSD 880-92935/2-A	Lab Control Sample Dup	105	104
LCSD 880-92936/2-A	Lab Control Sample Dup	110	98
MB 880-92935/5-A	Method Blank	67 S1-	88
MB 880-92936/5-A	Method Blank	155 S1+	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-49600-1	BH-1 (0-1.0')	103	81
880-49600-1 MS	BH-1 (0-1.0')	97	83
880-49600-1 MSD	BH-1 (0-1.0')	96	83
880-49600-2	BH-1 (2.0')	100	77
880-49600-3	BH-1 (3.0')	104	81
880-49600-4	BH-1 (4.0')	101	79
880-49600-5	BH-1 (5.0')	93	74
880-49600-6	BH-2 (0-1.0')	112	88
880-49600-7	BH-2 (2.0')	105	83
880-49600-8	BH-2 (3.0')	111	89
880-49600-9	BH-2 (4.0')	112	90
880-49600-10	BH-2 (5.0')	106	85
880-49600-11	BH-3 (0-1.0')	106	81
880-49600-12	BH-3 (2.0')	100	80
880-49600-13	BH-3 (3.0')	102	79
880-49600-14	BH-3 (4.0')	111	87
880-49600-15	BH-3 (5.0')	103	82
880-49600-16	BH-4 (0-1.0')	110	86
880-49600-17	BH-4 (2.0')	101	79
880-49600-18	BH-4 (3.0')	104	81
880-49600-19	BH-4 (4.0')	99	79
880-49600-20	BH-4 (5.0')	104	80
880-49600-21	BH-5 (0-1.0')	95	74
880-49600-22	BH-5 (2.0')	94	72
880-49600-23	BH-5 (3.0')	97	75
880-49600-24	BH-5 (4.0')	103	79
880-49600-25	BH-5 (5.0')	116	107
880-49600-25 MS	BH-5 (5.0')	118	120
880-49600-25 MSD	BH-5 (5.0')	120	121
880-49600-26	BH-6 (0-1.0')	115	105
880-49600-27	BH-6 (2.0')	123	115
880-49600-28	BH-6 (3.0')	122	114
880-49600-29	BH-6 (4.0')	131 S1+	122
880-49600-30	BH-6 (5.0')	129	120
890-7215-A-31-B MS	Matrix Spike	111	96
890-7215-A-31-C MSD	Matrix Spike Duplicate	110	95
LCS 880-92753/2-A	Lab Control Sample	131 S1+	119
LCS 880-92948/2-A	Lab Control Sample	116	106
LCS 880-92955/2-A	Lab Control Sample	131 S1+	135 S1+
LCSD 880-92753/3-A	Lab Control Sample Dup	133 S1+	120
LCSD 880-92948/3-A	Lab Control Sample Dup	119	109
LCSD 880-92955/3-A	Lab Control Sample Dup	134 S1+	139 S1+
MB 880-92753/1-A	Method Blank	102	80
MB 880-92948/1-A	Method Blank	110	89
MB 880-92955/1-A	Method Blank	131 S1+	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92935/5-A

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/10/24 08:06	10/10/24 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/24 08:06	10/10/24 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/24 08:06	10/10/24 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	10/10/24 08:06	10/10/24 12:10	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/10/24 08:06	10/10/24 12:10	1

Lab Sample ID: LCS 880-92935/1-A

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.1144		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1186		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2380		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1175		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-92935/2-A

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92935

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09636		mg/Kg		96	70 - 130	8	35
Toluene	0.100	0.1030		mg/Kg		103	70 - 130	10	35
Ethylbenzene	0.100	0.1104		mg/Kg		110	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2256		mg/Kg		113	70 - 130	5	35
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-49600-1 MS

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 92935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08820		mg/Kg		88	70 - 130
Toluene	<0.00201	U	0.100	0.09832		mg/Kg		98	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: 880-49600-1 MS

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 92935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1022		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2066		mg/Kg		103	70 - 130
o-Xylene	<0.00201	U	0.100	0.1048		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-49600-1 MSD

Matrix: Solid

Analysis Batch: 92937

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 92935

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	0.08777		mg/Kg		88	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09737		mg/Kg		97	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.1027		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2083		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1042		mg/Kg		104	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-92936/5-A

Matrix: Solid

Analysis Batch: 92939

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 92939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-92936/1-A

Matrix: Solid

Analysis Batch: 92939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92936

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

Matrix: Solid

Analysis Batch: 92939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92936

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

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
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
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

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

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

	MSD	MSD	
Surrogate	%Recovery	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 880-92753/1-A
Matrix: Solid
Analysis Batch: 93004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92753

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/08/24 08:26	10/10/24 12:04	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/24 08:26	10/10/24 12:04	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/24 08:26	10/10/24 12:04	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	102		70 - 130				10/08/24 08:26	10/10/24 12:04	1	
o-Terphenyl	80		70 - 130				10/08/24 08:26	10/10/24 12:04	1	

Lab Sample ID: LCS 880-92753/2-A
Matrix: Solid
Analysis Batch: 93004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92753

Analyte	Spike	LCS	LCS						%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1274		mg/Kg		127	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	131	S1+	70 - 130							
o-Terphenyl	119		70 - 130							

Lab Sample ID: LCSD 880-92753/3-A
Matrix: Solid
Analysis Batch: 93004

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92753

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1284		mg/Kg		128	70 - 130		1	20
Diesel Range Organics (Over C10-C28)	1000	1096		mg/Kg		110	70 - 130		2	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	133	S1+	70 - 130							
o-Terphenyl	120		70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: 890-7215-A-31-B MS

Matrix: Solid

Analysis Batch: 93004

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 92753

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	798.3		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	743.5		mg/Kg		74	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: 890-7215-A-31-C MSD

Matrix: Solid

Analysis Batch: 93004

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 92753

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	787.7		mg/Kg		79	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	720.5		mg/Kg		72	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-92948/1-A

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92948

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/11/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/11/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 09:20	10/11/24 23:17	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	110		70 - 130				10/10/24 09:20	10/11/24 23:17	1
o-Terphenyl	89		70 - 130				10/10/24 09:20	10/11/24 23:17	1

Lab Sample ID: LCS 880-92948/2-A

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92948

Analyte	Spike	LCS	Unit	D	%Rec	%Rec
	Added	Result				Qualifier
Gasoline Range Organics (GRO)-C6-C10	1000	1155	mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	964.8	mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-92948/2-A

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92948

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-92948/3-A

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1139		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	991.5		mg/Kg		99	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-49600-1 MS

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 92948

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	993	812.9		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	993	701.1		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-49600-1 MSD

Matrix: Solid

Analysis Batch: 93130

Client Sample ID: BH-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 92948

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	993	801.8		mg/Kg		81	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	993	692.3		mg/Kg		70	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	83		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-92955/1-A
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92955

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 10:18	10/11/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/24 10:18	10/11/24 23:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	10/10/24 10:18	10/11/24 23:17	1
o-Terphenyl	125		70 - 130	10/10/24 10:18	10/11/24 23:17	1

Lab Sample ID: LCS 880-92955/2-A
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1213		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-92955/3-A
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1216		mg/Kg		122	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	139	S1+	70 - 130

Lab Sample ID: 880-49600-25 MS
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: BH-5 (5.0')
Prep Type: Total/NA
Prep Batch: 92955

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	975.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	943.1		mg/Kg		95	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Lab Sample ID: 880-49600-25 MS
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: BH-5 (5.0')
Prep Type: Total/NA
Prep Batch: 92955

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 880-49600-25 MSD
Matrix: Solid
Analysis Batch: 93132

Client Sample ID: BH-5 (5.0')
Prep Type: Total/NA
Prep Batch: 92955

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	998.4		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	976.4		mg/Kg		98	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	121		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92951/1-A
Matrix: Solid
Analysis Batch: 92956

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 13:15	1

Lab Sample ID: LCS 880-92951/2-A
Matrix: Solid
Analysis Batch: 92956

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-92951/3-A
Matrix: Solid
Analysis Batch: 92956

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.2		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-49600-4 MS
Matrix: Solid
Analysis Batch: 92956

Client Sample ID: BH-1 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	96.1		252	345.3		mg/Kg		99	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-49600-4 MSD

Matrix: Solid

Analysis Batch: 92956

Client Sample ID: BH-1 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.1		252	345.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-92952/1-A

Matrix: Solid

Analysis Batch: 92960

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 15:12	1

Lab Sample ID: LCS 880-92952/2-A

Matrix: Solid

Analysis Batch: 92960

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-92952/3-A

Matrix: Solid

Analysis Batch: 92960

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	257.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-49600-14 MS

Matrix: Solid

Analysis Batch: 92960

Client Sample ID: BH-3 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.9		248	295.6		mg/Kg		100	90 - 110

Lab Sample ID: 880-49600-14 MSD

Matrix: Solid

Analysis Batch: 92960

Client Sample ID: BH-3 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.9		248	298.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-49600-24 MS

Matrix: Solid

Analysis Batch: 92960

Client Sample ID: BH-5 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		250	358.6		mg/Kg		102	90 - 110

Lab Sample ID: 880-49600-24 MSD

Matrix: Solid

Analysis Batch: 92960

Client Sample ID: BH-5 (4.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		250	359.1		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC VOA

Prep Batch: 92935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	5035	
880-49600-2	BH-1 (2.0')	Total/NA	Solid	5035	
880-49600-3	BH-1 (3.0')	Total/NA	Solid	5035	
880-49600-4	BH-1 (4.0')	Total/NA	Solid	5035	
880-49600-5	BH-1 (5.0')	Total/NA	Solid	5035	
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	5035	
880-49600-7	BH-2 (2.0')	Total/NA	Solid	5035	
880-49600-8	BH-2 (3.0')	Total/NA	Solid	5035	
880-49600-9	BH-2 (4.0')	Total/NA	Solid	5035	
880-49600-10	BH-2 (5.0')	Total/NA	Solid	5035	
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	5035	
880-49600-12	BH-3 (2.0')	Total/NA	Solid	5035	
880-49600-13	BH-3 (3.0')	Total/NA	Solid	5035	
880-49600-14	BH-3 (4.0')	Total/NA	Solid	5035	
880-49600-15	BH-3 (5.0')	Total/NA	Solid	5035	
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	5035	
880-49600-17	BH-4 (2.0')	Total/NA	Solid	5035	
880-49600-18	BH-4 (3.0')	Total/NA	Solid	5035	
880-49600-19	BH-4 (4.0')	Total/NA	Solid	5035	
880-49600-20	BH-4 (5.0')	Total/NA	Solid	5035	
MB 880-92935/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92935/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92935/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49600-1 MS	BH-1 (0-1.0')	Total/NA	Solid	5035	
880-49600-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 92936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	5035	
880-49600-22	BH-5 (2.0')	Total/NA	Solid	5035	
880-49600-23	BH-5 (3.0')	Total/NA	Solid	5035	
880-49600-24	BH-5 (4.0')	Total/NA	Solid	5035	
880-49600-25	BH-5 (5.0')	Total/NA	Solid	5035	
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	5035	
880-49600-27	BH-6 (2.0')	Total/NA	Solid	5035	
880-49600-28	BH-6 (3.0')	Total/NA	Solid	5035	
880-49600-29	BH-6 (4.0')	Total/NA	Solid	5035	
880-49600-30	BH-6 (5.0')	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: 92937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	8021B	92935
880-49600-2	BH-1 (2.0')	Total/NA	Solid	8021B	92935
880-49600-3	BH-1 (3.0')	Total/NA	Solid	8021B	92935
880-49600-4	BH-1 (4.0')	Total/NA	Solid	8021B	92935
880-49600-5	BH-1 (5.0')	Total/NA	Solid	8021B	92935

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 92937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	8021B	92935
880-49600-7	BH-2 (2.0')	Total/NA	Solid	8021B	92935
880-49600-8	BH-2 (3.0')	Total/NA	Solid	8021B	92935
880-49600-9	BH-2 (4.0')	Total/NA	Solid	8021B	92935
880-49600-10	BH-2 (5.0')	Total/NA	Solid	8021B	92935
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	8021B	92935
880-49600-12	BH-3 (2.0')	Total/NA	Solid	8021B	92935
880-49600-13	BH-3 (3.0')	Total/NA	Solid	8021B	92935
880-49600-14	BH-3 (4.0')	Total/NA	Solid	8021B	92935
880-49600-15	BH-3 (5.0')	Total/NA	Solid	8021B	92935
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	8021B	92935
880-49600-17	BH-4 (2.0')	Total/NA	Solid	8021B	92935
880-49600-18	BH-4 (3.0')	Total/NA	Solid	8021B	92935
880-49600-19	BH-4 (4.0')	Total/NA	Solid	8021B	92935
880-49600-20	BH-4 (5.0')	Total/NA	Solid	8021B	92935
MB 880-92935/5-A	Method Blank	Total/NA	Solid	8021B	92935
LCS 880-92935/1-A	Lab Control Sample	Total/NA	Solid	8021B	92935
LCSD 880-92935/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92935
880-49600-1 MS	BH-1 (0-1.0')	Total/NA	Solid	8021B	92935
880-49600-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	8021B	92935

Analysis Batch: 92939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	8021B	92936
880-49600-22	BH-5 (2.0')	Total/NA	Solid	8021B	92936
880-49600-23	BH-5 (3.0')	Total/NA	Solid	8021B	92936
880-49600-24	BH-5 (4.0')	Total/NA	Solid	8021B	92936
880-49600-25	BH-5 (5.0')	Total/NA	Solid	8021B	92936
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	8021B	92936
880-49600-27	BH-6 (2.0')	Total/NA	Solid	8021B	92936
880-49600-28	BH-6 (3.0')	Total/NA	Solid	8021B	92936
880-49600-29	BH-6 (4.0')	Total/NA	Solid	8021B	92936
880-49600-30	BH-6 (5.0')	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: 93041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-2	BH-1 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-3	BH-1 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-4	BH-1 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-5	BH-1 (5.0')	Total/NA	Solid	Total BTEX	
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-7	BH-2 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-8	BH-2 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-9	BH-2 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-10	BH-2 (5.0')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 93041 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-12	BH-3 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-13	BH-3 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-14	BH-3 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-15	BH-3 (5.0')	Total/NA	Solid	Total BTEX	
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-17	BH-4 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-18	BH-4 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-19	BH-4 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-20	BH-4 (5.0')	Total/NA	Solid	Total BTEX	
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-22	BH-5 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-23	BH-5 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-24	BH-5 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-25	BH-5 (5.0')	Total/NA	Solid	Total BTEX	
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49600-27	BH-6 (2.0')	Total/NA	Solid	Total BTEX	
880-49600-28	BH-6 (3.0')	Total/NA	Solid	Total BTEX	
880-49600-29	BH-6 (4.0')	Total/NA	Solid	Total BTEX	
880-49600-30	BH-6 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-22	BH-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-23	BH-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-24	BH-5 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-92753/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92753/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7215-A-31-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7215-A-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 92948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-2	BH-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-3	BH-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-4	BH-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-49600-5	BH-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-7	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-8	BH-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-9	BH-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-49600-10	BH-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-12	BH-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-13	BH-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-14	BH-3 (4.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 92948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-15	BH-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-17	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-18	BH-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-19	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-49600-20	BH-4 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-92948/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92948/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92948/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49600-1 MS	BH-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 92955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-25	BH-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49600-27	BH-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-49600-28	BH-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-49600-29	BH-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-49600-30	BH-6 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49600-25 MS	BH-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-49600-25 MSD	BH-5 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	8015B NM	92753
880-49600-22	BH-5 (2.0')	Total/NA	Solid	8015B NM	92753
880-49600-23	BH-5 (3.0')	Total/NA	Solid	8015B NM	92753
880-49600-24	BH-5 (4.0')	Total/NA	Solid	8015B NM	92753
MB 880-92753/1-A	Method Blank	Total/NA	Solid	8015B NM	92753
LCS 880-92753/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92753
LCSD 880-92753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92753
890-7215-A-31-B MS	Matrix Spike	Total/NA	Solid	8015B NM	92753
890-7215-A-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	92753

Analysis Batch: 93117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-49600-2	BH-1 (2.0')	Total/NA	Solid	8015 NM	
880-49600-3	BH-1 (3.0')	Total/NA	Solid	8015 NM	
880-49600-4	BH-1 (4.0')	Total/NA	Solid	8015 NM	
880-49600-5	BH-1 (5.0')	Total/NA	Solid	8015 NM	
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-49600-7	BH-2 (2.0')	Total/NA	Solid	8015 NM	
880-49600-8	BH-2 (3.0')	Total/NA	Solid	8015 NM	
880-49600-9	BH-2 (4.0')	Total/NA	Solid	8015 NM	
880-49600-10	BH-2 (5.0')	Total/NA	Solid	8015 NM	
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 93117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-12	BH-3 (2.0')	Total/NA	Solid	8015 NM	
880-49600-13	BH-3 (3.0')	Total/NA	Solid	8015 NM	
880-49600-14	BH-3 (4.0')	Total/NA	Solid	8015 NM	
880-49600-15	BH-3 (5.0')	Total/NA	Solid	8015 NM	
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-49600-17	BH-4 (2.0')	Total/NA	Solid	8015 NM	
880-49600-18	BH-4 (3.0')	Total/NA	Solid	8015 NM	
880-49600-19	BH-4 (4.0')	Total/NA	Solid	8015 NM	
880-49600-20	BH-4 (5.0')	Total/NA	Solid	8015 NM	
880-49600-21	BH-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-49600-22	BH-5 (2.0')	Total/NA	Solid	8015 NM	
880-49600-23	BH-5 (3.0')	Total/NA	Solid	8015 NM	
880-49600-24	BH-5 (4.0')	Total/NA	Solid	8015 NM	
880-49600-25	BH-5 (5.0')	Total/NA	Solid	8015 NM	
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-49600-27	BH-6 (2.0')	Total/NA	Solid	8015 NM	
880-49600-28	BH-6 (3.0')	Total/NA	Solid	8015 NM	
880-49600-29	BH-6 (4.0')	Total/NA	Solid	8015 NM	
880-49600-30	BH-6 (5.0')	Total/NA	Solid	8015 NM	

Analysis Batch: 93130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Total/NA	Solid	8015B NM	92948
880-49600-2	BH-1 (2.0')	Total/NA	Solid	8015B NM	92948
880-49600-3	BH-1 (3.0')	Total/NA	Solid	8015B NM	92948
880-49600-4	BH-1 (4.0')	Total/NA	Solid	8015B NM	92948
880-49600-5	BH-1 (5.0')	Total/NA	Solid	8015B NM	92948
880-49600-6	BH-2 (0-1.0')	Total/NA	Solid	8015B NM	92948
880-49600-7	BH-2 (2.0')	Total/NA	Solid	8015B NM	92948
880-49600-8	BH-2 (3.0')	Total/NA	Solid	8015B NM	92948
880-49600-9	BH-2 (4.0')	Total/NA	Solid	8015B NM	92948
880-49600-10	BH-2 (5.0')	Total/NA	Solid	8015B NM	92948
880-49600-11	BH-3 (0-1.0')	Total/NA	Solid	8015B NM	92948
880-49600-12	BH-3 (2.0')	Total/NA	Solid	8015B NM	92948
880-49600-13	BH-3 (3.0')	Total/NA	Solid	8015B NM	92948
880-49600-14	BH-3 (4.0')	Total/NA	Solid	8015B NM	92948
880-49600-15	BH-3 (5.0')	Total/NA	Solid	8015B NM	92948
880-49600-16	BH-4 (0-1.0')	Total/NA	Solid	8015B NM	92948
880-49600-17	BH-4 (2.0')	Total/NA	Solid	8015B NM	92948
880-49600-18	BH-4 (3.0')	Total/NA	Solid	8015B NM	92948
880-49600-19	BH-4 (4.0')	Total/NA	Solid	8015B NM	92948
880-49600-20	BH-4 (5.0')	Total/NA	Solid	8015B NM	92948
MB 880-92948/1-A	Method Blank	Total/NA	Solid	8015B NM	92948
LCS 880-92948/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92948
LCSD 880-92948/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92948
880-49600-1 MS	BH-1 (0-1.0')	Total/NA	Solid	8015B NM	92948
880-49600-1 MSD	BH-1 (0-1.0')	Total/NA	Solid	8015B NM	92948

Analysis Batch: 93132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-25	BH-5 (5.0')	Total/NA	Solid	8015B NM	92955

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 93132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-26	BH-6 (0-1.0')	Total/NA	Solid	8015B NM	92955
880-49600-27	BH-6 (2.0')	Total/NA	Solid	8015B NM	92955
880-49600-28	BH-6 (3.0')	Total/NA	Solid	8015B NM	92955
880-49600-29	BH-6 (4.0')	Total/NA	Solid	8015B NM	92955
880-49600-30	BH-6 (5.0')	Total/NA	Solid	8015B NM	92955
MB 880-92955/1-A	Method Blank	Total/NA	Solid	8015B NM	92955
LCS 880-92955/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92955
LCSD 880-92955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92955
880-49600-25 MS	BH-5 (5.0')	Total/NA	Solid	8015B NM	92955
880-49600-25 MSD	BH-5 (5.0')	Total/NA	Solid	8015B NM	92955

HPLC/IC

Leach Batch: 92951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-2	BH-1 (2.0')	Soluble	Solid	DI Leach	
880-49600-3	BH-1 (3.0')	Soluble	Solid	DI Leach	
880-49600-4	BH-1 (4.0')	Soluble	Solid	DI Leach	
880-49600-5	BH-1 (5.0')	Soluble	Solid	DI Leach	
880-49600-6	BH-2 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-7	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-49600-8	BH-2 (3.0')	Soluble	Solid	DI Leach	
880-49600-9	BH-2 (4.0')	Soluble	Solid	DI Leach	
880-49600-10	BH-2 (5.0')	Soluble	Solid	DI Leach	
880-49600-11	BH-3 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-12	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-49600-13	BH-3 (3.0')	Soluble	Solid	DI Leach	
MB 880-92951/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92951/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92951/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49600-4 MS	BH-1 (4.0')	Soluble	Solid	DI Leach	
880-49600-4 MSD	BH-1 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 92952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-14	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-49600-15	BH-3 (5.0')	Soluble	Solid	DI Leach	
880-49600-16	BH-4 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-17	BH-4 (2.0')	Soluble	Solid	DI Leach	
880-49600-18	BH-4 (3.0')	Soluble	Solid	DI Leach	
880-49600-19	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-49600-20	BH-4 (5.0')	Soluble	Solid	DI Leach	
880-49600-21	BH-5 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-22	BH-5 (2.0')	Soluble	Solid	DI Leach	
880-49600-23	BH-5 (3.0')	Soluble	Solid	DI Leach	
880-49600-24	BH-5 (4.0')	Soluble	Solid	DI Leach	
880-49600-25	BH-5 (5.0')	Soluble	Solid	DI Leach	
880-49600-26	BH-6 (0-1.0')	Soluble	Solid	DI Leach	
880-49600-27	BH-6 (2.0')	Soluble	Solid	DI Leach	
880-49600-28	BH-6 (3.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 92952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-29	BH-6 (4.0')	Soluble	Solid	DI Leach	
880-49600-30	BH-6 (5.0')	Soluble	Solid	DI Leach	
MB 880-92952/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92952/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92952/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49600-14 MS	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-49600-14 MSD	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-49600-24 MS	BH-5 (4.0')	Soluble	Solid	DI Leach	
880-49600-24 MSD	BH-5 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 92956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-1	BH-1 (0-1.0')	Soluble	Solid	300.0	92951
880-49600-2	BH-1 (2.0')	Soluble	Solid	300.0	92951
880-49600-3	BH-1 (3.0')	Soluble	Solid	300.0	92951
880-49600-4	BH-1 (4.0')	Soluble	Solid	300.0	92951
880-49600-5	BH-1 (5.0')	Soluble	Solid	300.0	92951
880-49600-6	BH-2 (0-1.0')	Soluble	Solid	300.0	92951
880-49600-7	BH-2 (2.0')	Soluble	Solid	300.0	92951
880-49600-8	BH-2 (3.0')	Soluble	Solid	300.0	92951
880-49600-9	BH-2 (4.0')	Soluble	Solid	300.0	92951
880-49600-10	BH-2 (5.0')	Soluble	Solid	300.0	92951
880-49600-11	BH-3 (0-1.0')	Soluble	Solid	300.0	92951
880-49600-12	BH-3 (2.0')	Soluble	Solid	300.0	92951
880-49600-13	BH-3 (3.0')	Soluble	Solid	300.0	92951
MB 880-92951/1-A	Method Blank	Soluble	Solid	300.0	92951
LCS 880-92951/2-A	Lab Control Sample	Soluble	Solid	300.0	92951
LCSD 880-92951/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92951
880-49600-4 MS	BH-1 (4.0')	Soluble	Solid	300.0	92951
880-49600-4 MSD	BH-1 (4.0')	Soluble	Solid	300.0	92951

Analysis Batch: 92960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49600-14	BH-3 (4.0')	Soluble	Solid	300.0	92952
880-49600-15	BH-3 (5.0')	Soluble	Solid	300.0	92952
880-49600-16	BH-4 (0-1.0')	Soluble	Solid	300.0	92952
880-49600-17	BH-4 (2.0')	Soluble	Solid	300.0	92952
880-49600-18	BH-4 (3.0')	Soluble	Solid	300.0	92952
880-49600-19	BH-4 (4.0')	Soluble	Solid	300.0	92952
880-49600-20	BH-4 (5.0')	Soluble	Solid	300.0	92952
880-49600-21	BH-5 (0-1.0')	Soluble	Solid	300.0	92952
880-49600-22	BH-5 (2.0')	Soluble	Solid	300.0	92952
880-49600-23	BH-5 (3.0')	Soluble	Solid	300.0	92952
880-49600-24	BH-5 (4.0')	Soluble	Solid	300.0	92952
880-49600-25	BH-5 (5.0')	Soluble	Solid	300.0	92952
880-49600-26	BH-6 (0-1.0')	Soluble	Solid	300.0	92952
880-49600-27	BH-6 (2.0')	Soluble	Solid	300.0	92952
880-49600-28	BH-6 (3.0')	Soluble	Solid	300.0	92952
880-49600-29	BH-6 (4.0')	Soluble	Solid	300.0	92952
880-49600-30	BH-6 (5.0')	Soluble	Solid	300.0	92952
MB 880-92952/1-A	Method Blank	Soluble	Solid	300.0	92952

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QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 92960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-92952/2-A	Lab Control Sample	Soluble	Solid	300.0	92952
LCSD 880-92952/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92952
880-49600-14 MS	BH-3 (4.0')	Soluble	Solid	300.0	92952
880-49600-14 MSD	BH-3 (4.0')	Soluble	Solid	300.0	92952
880-49600-24 MS	BH-5 (4.0')	Soluble	Solid	300.0	92952
880-49600-24 MSD	BH-5 (4.0')	Soluble	Solid	300.0	92952

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-1
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 00:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 00:05	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 14:31	CH	EET MID

Client Sample ID: BH-1 (2.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-2
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 00:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 14:36	CH	EET MID

Client Sample ID: BH-1 (3.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-3
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 01:07	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 14:42	CH	EET MID

Client Sample ID: BH-1 (4.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-4
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-49600-4

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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			93117	10/12/24 01:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 01:22	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 14:47	CH	EET MID

Client Sample ID: BH-1 (5.0')

Lab Sample ID: 880-49600-5

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 14:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 01:38	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:03	CH	EET MID

Client Sample ID: BH-2 (0-1.0')

Lab Sample ID: 880-49600-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 01:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:09	CH	EET MID

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-49600-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 02:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 02:11	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-2 (2.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-7
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			5.05 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:25	CH	EET MID

Client Sample ID: BH-2 (3.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-8
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 15:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 02:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:30	CH	EET MID

Client Sample ID: BH-2 (4.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-9
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 16:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 16:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 02:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:36	CH	EET MID

Client Sample ID: BH-2 (5.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-10
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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 02:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 02:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:41	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (0-1.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-11

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	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 18:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 03:30	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:47	CH	EET MID

Client Sample ID: BH-3 (2.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 18:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 03:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 03:45	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:52	CH	EET MID

Client Sample ID: BH-3 (3.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 04:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 04:01	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92951	10/10/24 09:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92956	10/10/24 15:57	CH	EET MID

Client Sample ID: BH-3 (4.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-14

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			5.05 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 19:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-3 (4.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-14
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			93117	10/12/24 04:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 04:17	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 15:32	CH	EET MID

Client Sample ID: BH-3 (5.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-15
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			5.03 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 20:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 04:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 04:33	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 15:52	CH	EET MID

Client Sample ID: BH-4 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 20:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 04:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 04:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 15:59	CH	EET MID

Client Sample ID: BH-4 (2.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-17
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			4.97 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 21:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 21:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 05:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 05:06	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-4 (2.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:06	CH	EET MID

Client Sample ID: BH-4 (3.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 21:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 05:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 05:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:12	CH	EET MID

Client Sample ID: BH-4 (4.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 21:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 05:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 05:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:32	CH	EET MID

Client Sample ID: BH-4 (5.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	92935	10/10/24 08:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92937	10/10/24 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 22:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 05:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92948	10/10/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93130	10/12/24 05:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:39	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (0-1.0')

Lab Sample ID: 880-49600-21

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 12:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/10/24 23:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92753	10/08/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93004	10/10/24 23:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:46	CH	EET MID

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-49600-22

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/10/24 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92753	10/08/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93004	10/10/24 23:57	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:52	CH	EET MID

Client Sample ID: BH-5 (3.0')

Lab Sample ID: 880-49600-23

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/11/24 00:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92753	10/08/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93004	10/11/24 00:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 16:59	CH	EET MID

Client Sample ID: BH-5 (4.0')

Lab Sample ID: 880-49600-24

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/09/24 16:48

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 13:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-5 (4.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			93117	10/11/24 00:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92753	10/08/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93004	10/11/24 00:29	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 17:06	CH	EET MID

Client Sample ID: BH-5 (5.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 14:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 00:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 00:05	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 17:26	CH	EET MID

Client Sample ID: BH-6 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 14:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 00:52	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 17:33	CH	EET MID

Client Sample ID: BH-6 (2.0')
Date Collected: 10/09/24 00:00
Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 01:07	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Client Sample ID: BH-6 (2.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 17:53	CH	EET MID

Client Sample ID: BH-6 (3.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 15:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 01:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 17:59	CH	EET MID

Client Sample ID: BH-6 (4.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-29

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 01:38	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 18:06	CH	EET MID

Client Sample ID: BH-6 (5.0')

Date Collected: 10/09/24 00:00

Date Received: 10/09/24 16:48

Lab Sample ID: 880-49600-30

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	92936	10/10/24 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92939	10/10/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93041	10/10/24 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			93117	10/12/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92955	10/10/24 10:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93132	10/12/24 01:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92952	10/10/24 09:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92960	10/10/24 18:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	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: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 State Com 2

Job ID: 880-49600-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49600-1	BH-1 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-2	BH-1 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-3	BH-1 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-4	BH-1 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-5	BH-1 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-6	BH-2 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-7	BH-2 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-8	BH-2 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-9	BH-2 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-10	BH-2 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-11	BH-3 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-12	BH-3 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-13	BH-3 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-14	BH-3 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-15	BH-3 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-16	BH-4 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-17	BH-4 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-18	BH-4 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-19	BH-4 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-20	BH-4 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-21	BH-5 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-22	BH-5 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-23	BH-5 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-24	BH-5 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-25	BH-5 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-26	BH-6 (0-1.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-27	BH-6 (2.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-28	BH-6 (3.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-29	BH-6 (4.0')	Solid	10/09/24 00:00	10/09/24 16:48
880-49600-30	BH-6 (5.0')	Solid	10/09/24 00:00	10/09/24 16:48



Chain of Custody

W



880-49600 Chain of Custody

10/14/2024

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

Page 1 of 3	
Work Order Comments	
Program: UST/PST ☐ PRP ☒ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:	Chiles 28-21 State Com 2	Turn Around	
Project Number:	2537	☒ Routine ☐ Rush	
Project Location	Lea County, NM	Due Date:	Normal
Sampler's Name:	IR		
PO #:			
SAMPLE RECEIPT		Temp Blank:	Yes No Wet Ice: Yes No
Received Intact:		Yes No	Thermometer ID:
Cooler Custody Seals:		Yes No N/A	Correction Factor:
Sample Custody Seals:		Yes No N/A	Temperature Reading:
Total Containers:			Corrected Temperature:

ANALYSIS REQUEST													
Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont							
BH-1 (0-1.0')	10/9/2024		X		G	1	X	X	X				
BH-1 (2.0')	10/9/2024		X		G	1	X	X	X				
BH-1 (3.0')	10/9/2024		X		G	1	X	X	X				
BH-1 (4.0')	10/9/2024		X		G	1	X	X	X				
BH-1 (5.0')	10/9/2024		X		G	1	X	X	X				
BH-2 (0-1.0')	10/9/2024		X		G	1	X	X	X				
BH-2 (2.0')	10/9/2024		X		G	1	X	X	X				
BH-2 (3.0')	10/9/2024		X		G	1	X	X	X				
BH-2 (4.0')	10/9/2024		X		G	1	X	X	X				
BH-2 (5.0')	10/9/2024		X		G	1	X	X	X				

Preservative Codes	
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HC	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
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

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
		10/9/24 1648			

Revised Data 05012020 Rev. 2020.1

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Chain of Custody

Work Order No: 44600

10/14/2024

Page 2 of 3

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 ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

Project Name:		Chiles 28-21 State Com 2		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes							
Project Number:	2537			☒ Routine ☐ Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD																	None: NO	DI Water: H ₂ O	
Project Location	Lea County, NM			Due Date:	Normal																							Cool: Cool	MeOH: Me	
Sampler's Name:	IR																											HCL: HC	HNO ₃ : HN	
PO #:																										H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet Ice:		Yes	No																					H ₃ PO ₄ : HP
Received Intact:		Yes		No	Thermometer ID:																						NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes		No	N/A	Correction Factor:																						Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes		No	N/A	Temperature Reading:																						Zn Acetate+NaOH: Zn		
Total Containers:						Corrected Temperature:																						NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments						
BH-3 (0-1.0')		10/9/2024		X		G	1	X	X	X																				
BH-3 (2.0')		10/9/2024		X		G	1	X	X	X																				
BH-3 (3.0')		10/9/2024		X		G	1	X	X	X																				
BH-3 (4.0')		10/9/2024		X		G	1	X	X	X																				
BH-3 (5.0')		10/9/2024		X		G	1	X	X	X																				
BH-4 (0-1.0')		10/9/2024		X		G	1	X	X	X																				
BH-4 (2.0')		10/9/2024		X		G	1	X	X	X																				
BH-4 (3.0')		10/9/2024		X		G	1	X	X	X																				
BH-4 (4.0')		10/9/2024		X		G	1	X	X	X																				
BH-4 (5.0')		10/9/2024		X		G	1	X	X	X																				

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		10/9/24 12:45	2		
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Revised Date 05012020 Rev. 2020.1

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Chain of Custody

Work Order No: 49600

10/14/2024

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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 ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:		Chiles 28-21 State Com 2		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number:		2537		☒ Routine ☐ Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	None: NO		DI Water: H ₂ O															
Project Location		Lea County, NM		Due Date:								Normal		Cool: Cool		MeOH: Me													
Sampler's Name:		IR												HCL: HC		HNO ₃ : HN													
PO #:														H ₂ SO ₄ : H ₂		NaOH: Na													
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No				H ₃ PO ₄ : HP																	
Received Intact:		Yes No		Thermometer ID:								NaHSO ₄ : NABIS																	
Cooler Custody Seals:		Yes No N/A		Correction Factor:								Na ₂ S ₂ O ₃ : NaSO ₃																	
Sample Custody Seals:		Yes No N/A		Temperature Reading:								Zn Acetate+NaOH: Zn																	
Total Containers:				Corrected Temperature:								NaOH+Ascorbic Acid: SAPC																	
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont		Sample Comments															
BH-5 (0-1.0')		10/9/2024				X				G		1		X X X															
BH-5 (2.0')		10/9/2024				X				G		1		X X X															
BH-5 (3.0')		10/9/2024				X				G		1		X X X															
BH-5 (4.0')		10/9/2024				X				G		1		X X X															
BH-5 (5.0')		10/9/2024				X				G		1		X X X															
BH-6 (0-1.0')		10/9/2024				X				G		1		X X X															
BH-6 (2.0')		10/9/2024				X				G		1		X X X															
BH-6 (3.0')		10/9/2024				X				G		1		X X X															
BH-6 (4.0')		10/9/2024				X				G		1		X X X															
BH-6 (5.0')		10/9/2024				X				G		1		X X X															

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

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1				10/9/24 1648		2					
3						4					
5						6					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49600-1
SDG Number: Lea County, NM

Login Number: 49600

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/21/2024 12:36:00 PM

JOB DESCRIPTION

Chiles 28-21 state Com 2
Lea County, NM

JOB NUMBER

880-49932-1

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
10/21/2024 12:36:00 PM

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

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Laboratory Job ID: 880-49932-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Chiles 28-21 state Com 2

Job ID: 880-49932-1

Job ID: 880-49932-1

Eurofins Midland

Job Narrative 880-49932-1

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 10/17/2024 3:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-93620 and analytical batch 880-93629 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-93613 and analytical batch 880-93663 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-93613 and analytical batch 880-93663 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-93613/2-A) and (LCSD 880-93613/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-93663 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-93663/21).

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: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-1 (0-1.0')

Lab Sample ID: 880-49932-1

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 12:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:43	10/18/24 12:04	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		10/18/24 08:43	10/18/24 12:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:43	10/18/24 12:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:43	10/18/24 12:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:43	10/18/24 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				10/18/24 08:43	10/18/24 12:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/18/24 08:43	10/18/24 12:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/24 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 15:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 15:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/18/24 08:08	10/18/24 15:10	1
o-Terphenyl	90		70 - 130				10/18/24 08:08	10/18/24 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		9.94		mg/Kg			10/20/24 13:40	1

Client Sample ID: H-2 (0-1.0')

Lab Sample ID: 880-49932-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 16:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:33	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:43	10/18/24 16:33	1
o-Xylene	0.00210		0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:43	10/18/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/18/24 08:43	10/18/24 16:33	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/18/24 08:43	10/18/24 16:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-2 (0-1.0')

Lab Sample ID: 880-49932-2

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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			10/18/24 16:33	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			10/18/24 16:46	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	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/18/24 08:08	10/18/24 16:46	1
o-Terphenyl	91		70 - 130				10/18/24 08:08	10/18/24 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.7		9.94		mg/Kg			10/20/24 13:56	1

Client Sample ID: H-3 (0-1.0')

Lab Sample ID: 880-49932-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 16:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:53	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:43	10/18/24 16:53	1
o-Xylene	0.00644		0.00199		mg/Kg		10/18/24 08:43	10/18/24 16:53	1
Xylenes, Total	0.00644		0.00398		mg/Kg		10/18/24 08:43	10/18/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/18/24 08:43	10/18/24 16:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 08:43	10/18/24 16:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00644		0.00398		mg/Kg			10/18/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 17:00	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 ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-3 (0-1.0')

Lab Sample ID: 880-49932-3

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:08	10/18/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/18/24 08:08	10/18/24 17:00	1
o-Terphenyl	101		70 - 130				10/18/24 08:08	10/18/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.3		9.92		mg/Kg			10/20/24 14:02	1

Client Sample ID: H-4 (0-1.0')

Lab Sample ID: 880-49932-4

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:14	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/18/24 08:43	10/18/24 17:14	1
o-Xylene	0.00364		0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/18/24 08:43	10/18/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/18/24 08:43	10/18/24 17:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/18/24 08:43	10/18/24 17:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/24 17:14	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			10/18/24 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		10/18/24 08:08	10/18/24 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/18/24 08:08	10/18/24 17:15	1
o-Terphenyl	95		70 - 130				10/18/24 08:08	10/18/24 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.6		9.96		mg/Kg			10/20/24 14:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-5 (0-1.0')

Lab Sample ID: 880-49932-5

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 17:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:43	10/18/24 17:34	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		10/18/24 08:43	10/18/24 17:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/18/24 08:43	10/18/24 17:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/18/24 08:43	10/18/24 17:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/18/24 08:43	10/18/24 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/18/24 08:43	10/18/24 17:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/18/24 08:43	10/18/24 17:34	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			10/18/24 17:34	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			10/18/24 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 17:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		10/18/24 08:08	10/18/24 17:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/18/24 08:08	10/18/24 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/18/24 08:08	10/18/24 17:30	1
o-Terphenyl	107		70 - 130				10/18/24 08:08	10/18/24 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.3		10.0		mg/Kg			10/20/24 14:13	1

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49932-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 17:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:55	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/24 08:43	10/18/24 17:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 17:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/24 08:43	10/18/24 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				10/18/24 08:43	10/18/24 17:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/18/24 08:43	10/18/24 17:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49932-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/24 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/18/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/18/24 08:08	10/18/24 17:45	1
o-Terphenyl	97		70 - 130				10/18/24 08:08	10/18/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.96		mg/Kg			10/20/24 14:29	1

Client Sample ID: H-7 (0-1.0')

Lab Sample ID: 880-49932-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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		10/18/24 08:43	10/18/24 18:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:43	10/18/24 18:15	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		10/18/24 08:43	10/18/24 18:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/18/24 08:43	10/18/24 18:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/18/24 08:43	10/18/24 18:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/18/24 08:43	10/18/24 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/18/24 08:43	10/18/24 18:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/18/24 08:43	10/18/24 18:15	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			10/18/24 18:15	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			10/18/24 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U ** *1	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-7
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)	<49.7	U	49.7		mg/Kg		10/18/24 08:08	10/18/24 17:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	92		70 - 130				10/18/24 08:08	10/18/24 17:59	1	
o-Terphenyl	85		70 - 130				10/18/24 08:08	10/18/24 17:59	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	84.7		10.0		mg/Kg			10/20/24 14:34	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

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

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-49932-1	H-1 (0-1.0')	82	98
880-49932-1 MS	H-1 (0-1.0')	95	113
880-49932-1 MSD	H-1 (0-1.0')	108	120
880-49932-2	H-2 (0-1.0')	92	105
880-49932-3	H-3 (0-1.0')	86	101
880-49932-4	H-4 (0-1.0')	86	97
880-49932-5	H-5 (0-1.0')	89	101
880-49932-6	H-6 (0-1.0')	90	104
880-49932-7	H-7 (0-1.0')	86	103
LCS 880-93620/1-A	Lab Control Sample	100	115
LCSD 880-93620/2-A	Lab Control Sample Dup	116	117
MB 880-93620/5-A	Method Blank	82	99
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)
880-49932-1	H-1 (0-1.0')	98	90
880-49932-1 MS	H-1 (0-1.0')	121	111
880-49932-1 MSD	H-1 (0-1.0')	122	111
880-49932-2	H-2 (0-1.0')	96	91
880-49932-3	H-3 (0-1.0')	106	101
880-49932-4	H-4 (0-1.0')	97	95
880-49932-5	H-5 (0-1.0')	116	107
880-49932-6	H-6 (0-1.0')	105	97
880-49932-7	H-7 (0-1.0')	92	85
LCS 880-93613/2-A	Lab Control Sample	177 S1+	158 S1+
LCSD 880-93613/3-A	Lab Control Sample Dup	243 S1+	218 S1+
MB 880-93613/1-A	Method Blank	83	80
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-93620/5-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93620

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/24 08:43	10/18/24 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/24 08:43	10/18/24 11:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	82		70 - 130	10/18/24 08:43	10/18/24 11:42	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/18/24 08:43	10/18/24 11:42	1

Lab Sample ID: LCS 880-93620/1-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93620

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Benzene	0.100	0.09665		mg/Kg		97	70 - 130
Toluene	0.100	0.09455		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1973		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-93620/2-A

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 93620

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Benzene	0.100	0.1159		mg/Kg		116	70 - 130	18	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	7	35
Ethylbenzene	0.100	0.1372	*+	mg/Kg		137	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.2535		mg/Kg		127	70 - 130	25	35
o-Xylene	0.100	0.1293		mg/Kg		129	70 - 130	19	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-49932-1 MS

Matrix: Solid

Analysis Batch: 93629

Client Sample ID: H-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 93620

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				Limits
Benzene	<0.00201	U	0.100	0.09286		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.100	0.08512		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

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

Lab Sample ID: 880-49932-1 MS
Matrix: Solid
Analysis Batch: 93629

Client Sample ID: H-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 93620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U *	0.100	0.08815		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1661		mg/Kg		83	70 - 130
o-Xylene	<0.00201	U	0.100	0.08259		mg/Kg		83	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		70 - 130						
1,4-Difluorobenzene (Surr)	113		70 - 130						

Lab Sample ID: 880-49932-1 MSD
Matrix: Solid
Analysis Batch: 93629

Client Sample ID: H-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 93620

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	0.09315		mg/Kg		93	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09473		mg/Kg		95	70 - 130	11	35
Ethylbenzene	<0.00201	U *	0.100	0.1059		mg/Kg		106	70 - 130	18	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1956		mg/Kg		98	70 - 130	16	35
o-Xylene	<0.00201	U	0.100	0.09748		mg/Kg		97	70 - 130	17	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (Surr)	120		70 - 130								

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

Lab Sample ID: MB 880-93613/1-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93613

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		10/18/24 08:08	10/18/24 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/18/24 08:08	10/18/24 13:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: LCS 880-93613/2-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1456	*+	mg/Kg		146	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1372	*+	mg/Kg		137	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-93613/2-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93613

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	177	S1+	70 - 130
o-Terphenyl	158	S1+	70 - 130

Lab Sample ID: LCSD 880-93613/3-A
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93613

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1982	*+ *1	mg/Kg		198	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	1000	1903	*+ *1	mg/Kg		190	70 - 130	32	20
Surrogate		LCSD	LCSD						
	%Recovery	Qualifier	Limits						
1-Chlorooctane	243	S1+	70 - 130						
o-Terphenyl	218	S1+	70 - 130						

Lab Sample ID: 880-49932-1 MS
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: H-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 93613

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 *+ *1	997	1035		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	997	999.2		mg/Kg		100	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	121		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: 880-49932-1 MSD
Matrix: Solid
Analysis Batch: 93663

Client Sample ID: H-1 (0-1.0')
Prep Type: Total/NA
Prep Batch: 93613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	997	1041		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	997	983.7		mg/Kg		99	70 - 130	2	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	111		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-93612/1-A

Matrix: Solid

Analysis Batch: 93715

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/20/24 13:24	1

Lab Sample ID: LCS 880-93612/2-A

Matrix: Solid

Analysis Batch: 93715

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.2		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-93612/3-A

Matrix: Solid

Analysis Batch: 93715

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	233.4		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-49932-1 MS

Matrix: Solid

Analysis Batch: 93715

Client Sample ID: H-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	84.0		249	322.2		mg/Kg		96	90 - 110

Lab Sample ID: 880-49932-1 MSD

Matrix: Solid

Analysis Batch: 93715

Client Sample ID: H-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.0		249	325.0		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

GC VOA

Prep Batch: 93620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	5035	
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	5035	
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	5035	
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	5035	
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	5035	
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	5035	
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	5035	
MB 880-93620/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-93620/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-93620/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49932-1 MS	H-1 (0-1.0')	Total/NA	Solid	5035	
880-49932-1 MSD	H-1 (0-1.0')	Total/NA	Solid	5035	

Analysis Batch: 93629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	8021B	93620
MB 880-93620/5-A	Method Blank	Total/NA	Solid	8021B	93620
LCS 880-93620/1-A	Lab Control Sample	Total/NA	Solid	8021B	93620
LCSD 880-93620/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	93620
880-49932-1 MS	H-1 (0-1.0')	Total/NA	Solid	8021B	93620
880-49932-1 MSD	H-1 (0-1.0')	Total/NA	Solid	8021B	93620

Analysis Batch: 93674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 93613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
MB 880-93613/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-93613/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 93613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-93613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49932-1 MS	H-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-49932-1 MSD	H-1 (0-1.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 93663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	8015B NM	93613
MB 880-93613/1-A	Method Blank	Total/NA	Solid	8015B NM	93613
LCS 880-93613/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	93613
LCSD 880-93613/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	93613
880-49932-1 MS	H-1 (0-1.0')	Total/NA	Solid	8015B NM	93613
880-49932-1 MSD	H-1 (0-1.0')	Total/NA	Solid	8015B NM	93613

Analysis Batch: 93776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-2	H-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-3	H-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-4	H-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-5	H-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-6	H-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-49932-7	H-7 (0-1.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 93612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-2	H-2 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-3	H-3 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-4	H-4 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-5	H-5 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-6	H-6 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-7	H-7 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-93612/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-93612/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-93612/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49932-1 MS	H-1 (0-1.0')	Soluble	Solid	DI Leach	
880-49932-1 MSD	H-1 (0-1.0')	Soluble	Solid	DI Leach	

Analysis Batch: 93715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-1	H-1 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-2	H-2 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-3	H-3 (0-1.0')	Soluble	Solid	300.0	93612

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 93715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49932-4	H-4 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-5	H-5 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-6	H-6 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-7	H-7 (0-1.0')	Soluble	Solid	300.0	93612
MB 880-93612/1-A	Method Blank	Soluble	Solid	300.0	93612
LCS 880-93612/2-A	Lab Control Sample	Soluble	Solid	300.0	93612
LCSD 880-93612/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	93612
880-49932-1 MS	H-1 (0-1.0')	Soluble	Solid	300.0	93612
880-49932-1 MSD	H-1 (0-1.0')	Soluble	Solid	300.0	93612

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-1 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-1
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	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 12:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 15:10	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 13:40	CH	EET MID

Client Sample ID: H-2 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 16:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 13:56	CH	EET MID

Client Sample ID: H-3 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 17:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:02	CH	EET MID

Client Sample ID: H-4 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 17:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-4 (0-1.0')

Lab Sample ID: 880-49932-4

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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			93776	10/18/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 17:15	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:07	CH	EET MID

Client Sample ID: H-5 (0-1.0')

Lab Sample ID: 880-49932-5

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 17:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:13	CH	EET MID

Client Sample ID: H-6 (0-1.0')

Lab Sample ID: 880-49932-6

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 17:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 17:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:29	CH	EET MID

Client Sample ID: H-7 (0-1.0')

Lab Sample ID: 880-49932-7

Date Collected: 10/09/24 00:00

Matrix: Solid

Date Received: 10/17/24 15:13

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	93620	10/18/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	93629	10/18/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			93674	10/18/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			93776	10/18/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	93613	10/18/24 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	93663	10/18/24 17:59	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-1.0')
Date Collected: 10/09/24 00:00
Date Received: 10/17/24 15:13

Lab Sample ID: 880-49932-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	93612	10/18/24 08:05	SA	EET MID
Soluble	Analysis	300.0		1			93715	10/20/24 14:34	CH	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	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
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Chiles 28-21 state Com 2

Job ID: 880-49932-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49932-1	H-1 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-2	H-2 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-3	H-3 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-4	H-4 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-5	H-5 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-6	H-6 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13
880-49932-7	H-7 (0-1.0')	Solid	10/09/24 00:00	10/17/24 15:13

- 1
- 2
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- 9
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- 11
- 12
- 13
- 14

Chain of Custody



Page _____

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 ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: _____

Project Name:		Chiles 28-21 State Com 2		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2537		☐ Routine ☒ Rush														None: NO DI Water: H ₂ O									
Project Location:		Lea County, NM		Due Date:		48 Hour														Cool: Cool MeOH: Me							
Sampler's Name:		IR																HCL: HC HNO ₃ : HN									
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐ Wet Ice:		Yes ☒ No ☐														H ₃ PO ₄ : HP							
Received Intact:		Yes ☒ No ☐		Thermometer ID:		IR8														NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:		-1														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		-2.3														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		-2.2														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
H-1 (0-1.0')		10/9/2024				X				G		1		X X X													
H-2 (0-1.0')		10/9/2024				X				G		1		X X X													
H-3 (0-1.0')		10/9/2024				X				G		1		X X X													
H-4 (0-1.0')		10/9/2024				X				G		1		X X X													
H-5 (0-1.0')		10/9/2024				X				G		1		X X X													
H-6 (0-1.0')		10/9/2024				X				G		1		X X X													
H-7 (0-1.0')		10/9/2024				X				G		1		X X X													

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		10/17/2024 1619	2		
3			4		
5			6		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-49932-1
SDG Number: Lea County, NM

Login Number: 49932
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 395780

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332464197
Incident Name	NAPP2332464197 CHILES 28 21 STATE COM 2 @ 30-025-45351
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-45351] CHILES 28 21 STATE COM #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CHILES 28 21 STATE COM 2
Date Release Discovered	11/20/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 12 BBL Recovered: 10 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	flange on water takeaway line developed a leak. WTP were shut off to stop spill. Line belongs to Delek.

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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 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	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	False
If all the actions described above have not been undertaken, explain why	fluids soaked into ground. zero recovered

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: James Raley Title: EHS Professional Email: jim.raley@dvsn.com Date: 10/25/2024
--	---

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<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)	297
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

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/20/2023
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)	10/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	"Site will be reclaimed during P/A activities. Site has been fully delineated with no signs of contamination and due to deep groundwater (>50') and no immediate risk to human health, the environment, or ground water. See closure report."
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 10/25/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS, Page 5

Action 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	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 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	388645
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2024
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	2500

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	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	"Site will be reclaimed during P/A activities. Site has been fully delineated with no signs of contamination and due to deep groundwater (>50') and no immediate risk to human health, the environment, or ground water. See closure report."

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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 10/25/2024
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QUESTIONS, Page 7

Action 395780

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	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 395780

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 395780
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	2/13/2025