

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Chopper State Com 003H (4.30.24)
Incident #: nAPP2415830580
Eddy County, New Mexico
Unit C Sec 01 T24S R27E
32.2532°, -104.1465°

Crude Oil Release
Point of Release: Equipment Failure; Flare Fire
Release Date: 04.30.24
Volume Released: 0.5841 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

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



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July 19, 2024

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

Re: Closure Report
Chopper State Com 003H (4.30.24)
Concho Operating, LLC
Incident ID: nAPP2415830580
Site Location: Unit C, S01, T24S, R27E
(Lat 32.2532°, Long -104.1465°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Chopper State Com 003H. The site is located at 32.2532°, -104.1465° within Unit C, S01, T24S, and R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 30, 2024, due to equipment failure, resulting in a flare fire. During the flare fire, the wind was blowing in a Northwest wind direction which caused the area of concern to be located Northwest of the flare. Approximately zero point five eight four one (0.5841) barrels of crude oil were released and zero (0) barrels of crude oil were recovered. The impacted area occurred on the pad, shown in Figure 3. The Notification of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The closest well is approximately 1.27 miles Northeast of the site in S31, T23S, R28E and was last measured in 2017. The well has a reported depth to groundwater of 200 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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4.0 Site Assessment Activities

On May 20, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the fire. A total of one (1) vertical sample point (S-1) and five (5) horizontal sample points (H-1 through H-5) were advanced to depths ranging from the surface to 4.0' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

All samples were below regulatory requirements for TPH, BTEX, and chloride. See Table 1 for the analytical results.

5.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

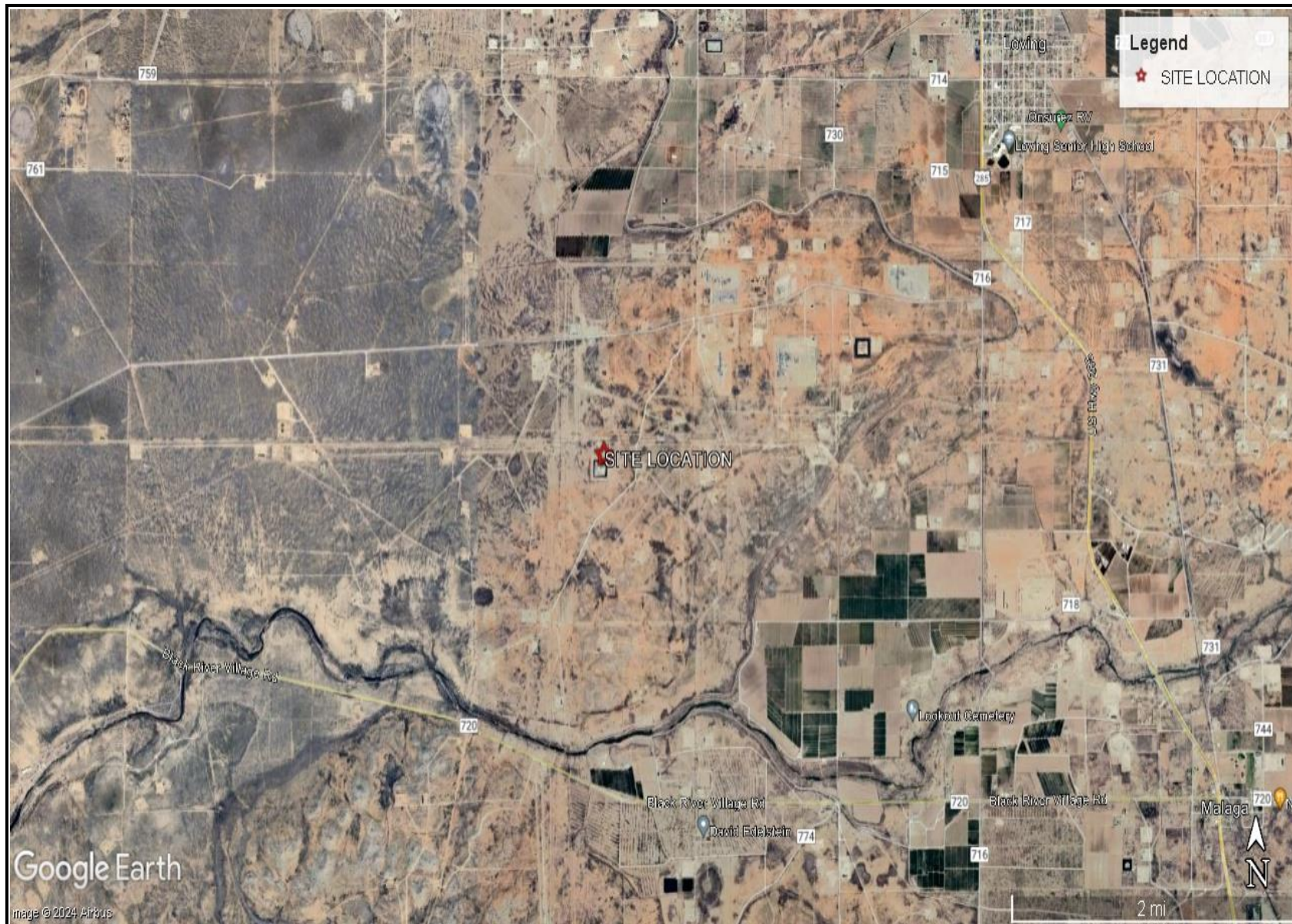
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

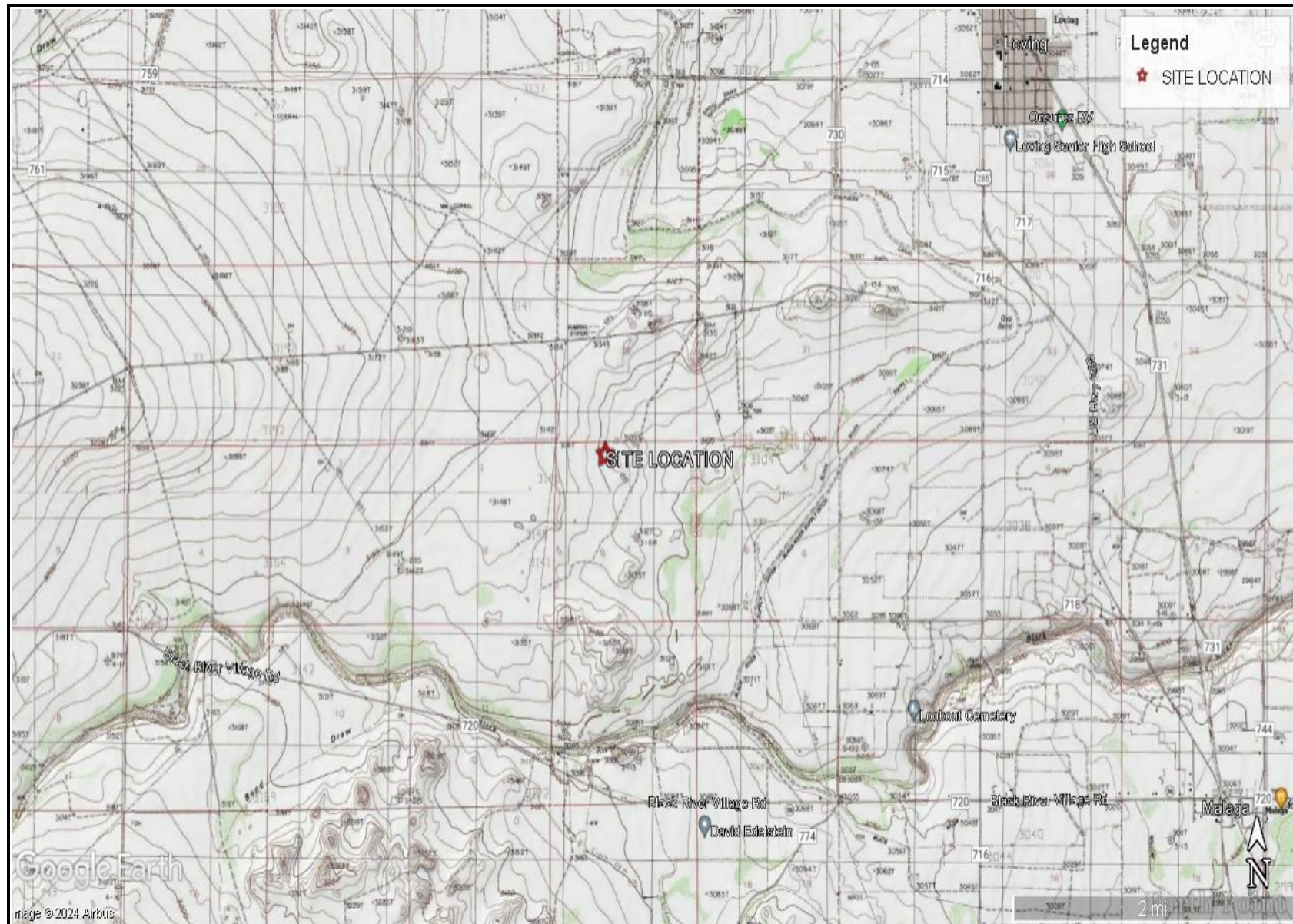




OVERVIEW MAP
COG OPERATING, LLC
CHOPPER STATE COM 003H (4.30.24)
EDDY COUNTY, NEW MEXICO
32.2532°, -104.1465°



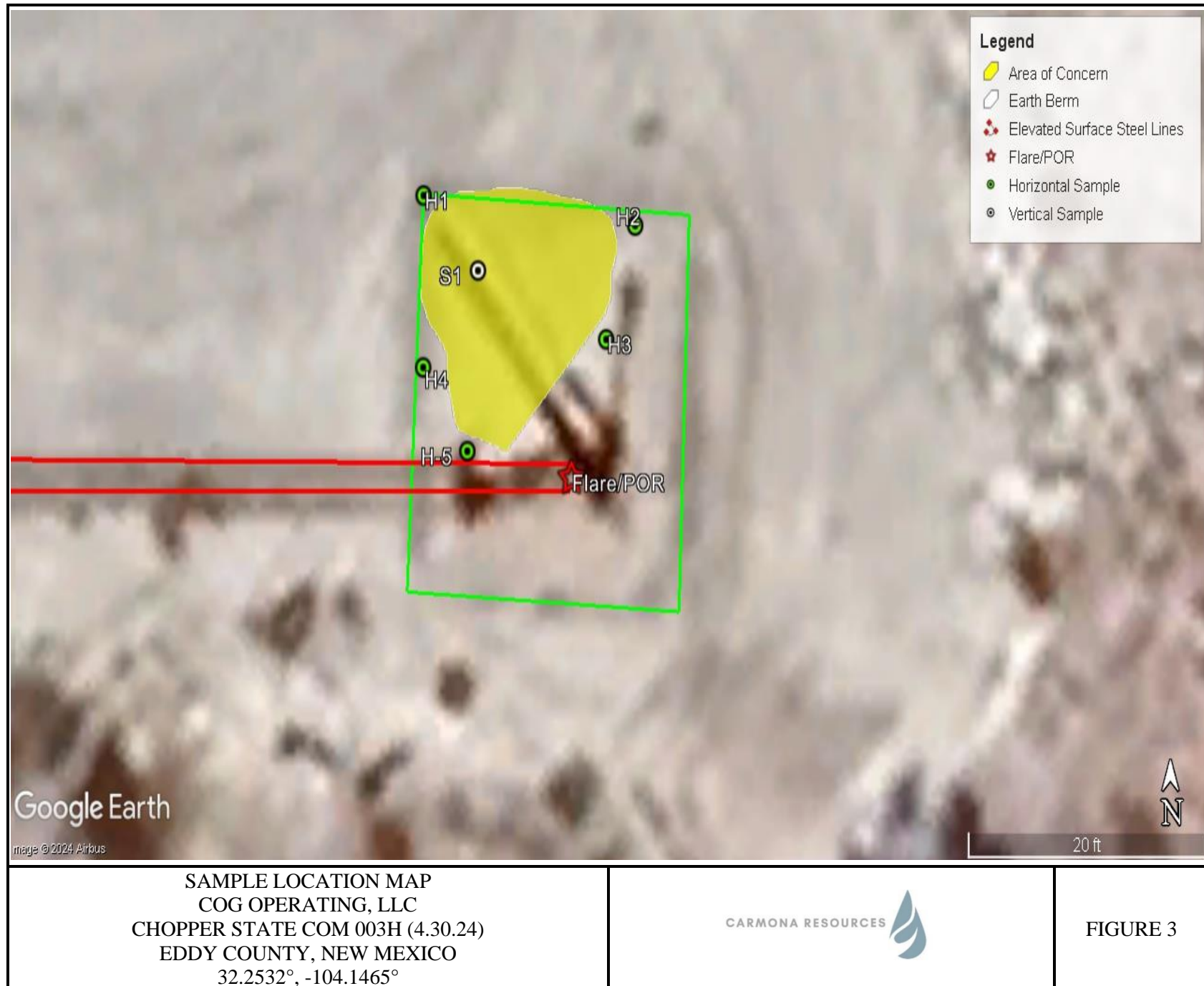
FIGURE 1



TOPOGRAPHIC MAP
 COG OPERATING, LLC
 CHOPPER STATE COM 003H (4.30.24)
 EDDY COUNTY, NEW MEXICO
 32.2532°, -104.1465°



FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating
Chopper State 003H (04.30.24)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	5/20/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	423
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	84.1
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	65.2
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	110
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	139
H-1	5/20/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	80.7
H-2	5/20/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	115
H-3	5/20/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	297
H-4	5/20/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	21.0
H-5	5/20/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.3
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 1****Facility:** Chopper State Com 003H (4.30.24)**County:** Eddy County, New Mexico**Description:**

View Southeast, impacted area.

**Photograph No. 2****Facility:** Chopper State Com 003H (4.30.24)**County:** Eddy County, New Mexico**Description:**

View East, area of S-1.

**Photograph No. 3****Facility:** Chopper State Com 003H (4.30.24)**County:** Eddy County, New Mexico**Description:**

View South, area of S-1.



APPENDIX C

CARMONA RESOURCES



District I
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District III
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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 351310

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351310
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Chopper State Com 003H
Date Release Discovered	04/30/2024
Surface Owner	State

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

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

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QUESTIONS, Page 2

Action 351310

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351310
	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)	More volume information must be supplied to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
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	Not answered.
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	Not answered.
All free liquids and recoverable materials have been removed and managed appropriately	Not answered.
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 351310

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351310
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 351310

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351310
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/6/2024

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QUESTIONS

Action 364629

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 364629
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2415830580
Incident Name	NAPP2415830580 CHOPPER STATE COM 003H @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2203346113] Chopper State Com 3H - Battery

Location of Release Source	
Site Name	Chopper State Com 003H
Date Release Discovered	04/30/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2024
Time sampling will commence	11:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Conner Moehring (432) 813- 6823
Please provide any information necessary for navigation to sampling site	GPS 32.253284°, -104.146490°

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CONDITIONS

Action 364629

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 364629
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	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.	7/16/2024

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: Jacqui Harris 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

COG Operating

Legend

- 0.50 Mile Radius
- 1.27 Miles
- 1.32 Miles
- 1.50 Miles
- 1.81 Miles
- Chopper State 003H (04.30.2024)
- NMSEO Water Well
- USGS Water Well

67' - Drilled 2004

200' - Drilled 2017

60' - Drilled 2017

Chopper State 003H (04.30.2024)

14.16' - Drilled 1954



High Karst

COG Operating

Legend

- Chopper State 003H (04.30.2024)
- High
- Medium

Chopper State 003H (04.30.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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


























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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD	Sub-Code	basin	County	Q Q Q					X	Y	Distance	Depth Well	Depth Water	Water Column	
	64				16	4	Sec	Tws	Rng							
C 04085 POD1	C	ED	1	4	1	31	23S	28E	582039	3570027		2038	250	200	50	
C 04085 POD2	CUB	ED	2	4	1	31	23S	28E	582083	3569982		2048	240	100	140	
C 03031	C	ED	1	3	3	35	23S	27E	578315	3569206*		2116	150	67	83	
C 04281 POD1	C	ED	2	4	1	31	23S	28E	582193	3570055		2179	200	100	100	
C 04037 POD1	C	ED	4	3	2	31	23S	28E	582576	3569872		2420	99	60	39	
C 02976	C	ED	4	2	3	12	24S	27E	580519	3566195*		2628	57	27	30	
C 01244	C	ED		4	4	06	24S	28E	582860	3567543*		2775	109	70	39	
C 00232	CUB	ED	1	3	2	07	24S	28E	582362	3566826*		2800	160			
C 03260 POD2	O	C	ED	1	3	3	12	24S	27E	580100	3565984		2852	80	56	24
C 00010 CLW191724	O	CUB	ED	2	3	2	25	23S	27E	580926	3571666*		2893	259		
C 03260 POD1	C	ED	3	3	3	12	24S	27E	579995	3565935		2913	80	56	24	
C 03037	C	ED	4	3	4	12	24S	27E	580930	3565795*		3072	116	25	91	
C 03147	C	ED	3	3	3	12	24S	27E	579885	3565715		3147	140			
C 03740 POD1	C	ED	4	4	4	12	24S	27E	581283	3565795		3153	340			
C 04572 POD1	C	ED	4	2	2	26	23S	27E	579665	3571950		3213	128	60	68	
C 00406	C	ED		1	1	08	24S	28E	583270	3567142*		3328	78	50	28	
C 00010	CUB	ED	1	2	2	25	23S	27E	581129	3572075*		3335	250	103	147	
C 00010 CLW191759	O	CUB	ED	1	2	2	25	23S	27E	581129	3572075*		3335	259		
C 00010 ENLGD	CUB	ED	1	2	2	25	23S	27E	581129	3572075*		3335	259			
C 00347	CUB	ED		1	1	13	24S	27E	580010	3565479*		3364	60	30	30	
C 02567	C	ED	2	1	2	26	23S	27E	579314	3572049*		3404	187	89	98	
C 01943	C	ED			1	13	24S	27E	580221	3565275*		3550	30	25	5	
C 02004	C	ED		3	4	24	23S	27E	580825	3572378*		3582	232	190	42	
C 00342	C	CUB	ED		4	1	13	24S	27E	580432	3565080*		3741	2565		
C 01477	CUB	ED	1	3	3	19	23S	28E	581532	3572484*		3835	127	10	117	

*UTM location was derived from PLSS - see Help

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

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

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

(NAD83 UTM in meters)

(In feet)

POD														
Sub-														
Q Q Q														
Depth Depth Water														
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Well	Water Column

Average Depth to Water: 73 feet

Minimum Depth: 10 feet

Maximum Depth: 200 feet

Record Count: 25

UTMNAD83 Radius Search (in meters):

Easting (X): 580396

Northing (Y): 3568821


Radius: 4000

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04085 POD1	1	4	1	31	23S	28E	582039	3570027 
<hr/>									
Driller License: 331		Driller Company:		SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.					
Driller Name:									
Drill Start Date: 08/08/2017		Drill Finish Date:		08/30/2017		Plug Date:			
Log File Date: 09/29/2017		PCW Rcv Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 30 GPM			
Casing Size: 6.00		Depth Well:		250 feet		Depth Water: 200 feet			
<hr/>									
Water Bearing Stratifications:				Top	Bottom	Description			
				212	250	Sandstone/Gravel/Conglomerate			
<hr/>									
Casing Perforations:				Top	Bottom				
				70	230				
<hr/>									

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5/13/24 8:09 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03031	1	3	3	35	23S	27E	578315	3569206*

x

Driller License: 685

Driller Company: BRAZEAL, JOHN

Driller Name: WAYNE BRAZEAL

Drill Start Date: 06/10/2004

Drill Finish Date: 06/16/2004

Plug Date:

Log File Date: 06/24/2004

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 50 GPM

Casing Size: 6.00

Depth Well: 150 feet

Depth Water: 67 feet

Water Bearing Stratifications:	Top	Bottom	Description
	139	150	Other/Unknown

Casing Perforations:	Top	Bottom
	90	150

x

*UTM location was derived from PLSS - see Help

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


5/13/24 8:07 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04037 POD1	4	3	2	31	23S	28E	582576	3569872 
<hr/>									
Driller License:	1348	Driller Company:		TAYLOR WATER WELL SERVICE					
Driller Name:	TAYLOR, CLINTON E.								
Drill Start Date:	07/17/2017	Drill Finish Date:		07/18/2017		Plug Date:			
Log File Date:	08/28/2017	PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		8 GPM	
Casing Size:	4.50	Depth Well:		99 feet		Depth Water:		60 feet	
<hr/>									
Water Bearing Stratifications:		Top	Bottom	Description					
		60	82	Shale/Mudstone/Siltstone					
		82	99	Shale/Mudstone/Siltstone					
<hr/>									
Casing Perforations:		Top	Bottom						
		59	99						
<hr/>									


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

5/13/24 8:11 AM

POINT OF DIVERSION SUMMARY

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

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321410104072301

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

USGS 321410104072301 24S.28E.07.23111

Eddy County, New Mexico
Latitude 32°14'10", Longitude 104°07'23" NAD27
Land-surface elevation 3,066 feet above NAVD88
The depth of the well is 160 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur
1947-10-22		D	62610		3046.68	NGVD29	1	Z		
1947-10-22		D	62611		3048.29	NAVD88	1	Z		
1947-10-22		D	72019	17.71			1	Z		
1948-01-13		D	62610		3044.17	NGVD29	1	Z		
1948-01-13		D	62611		3045.78	NAVD88	1	Z		
1948-01-13		D	72019	20.22			1	Z		
1948-12-20		D	62610		3049.63	NGVD29	1	Z		
1948-12-20		D	62611		3051.24	NAVD88	1	Z		
1948-12-20		D	72019	14.76			1	Z		
1949-01-29		D	62610		3047.87	NGVD29	1	Z		
1949-01-29		D	62611		3049.48	NAVD88	1	Z		
1949-01-29		D	72019	16.52			1	Z		
1950-01-19		D	62610		3049.16	NGVD29	1	Z		
1950-01-19		D	62611		3050.77	NAVD88	1	Z		

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
1950-01-19	D	72019	15.23		1	Z	
1951-01-17	D	62610	3047.38	NGVD29	1	Z	
1951-01-17	D	62611	3048.99	NAVD88	1	Z	
1951-01-17	D	72019	17.01		1	Z	
1952-01-16	D	62610	3054.38	NGVD29	1	Z	
1952-01-16	D	62611	3055.99	NAVD88	1	Z	
1952-01-16	D	72019	10.01		1	Z	
1953-02-28	D	62610	3050.49	NGVD29	1	Z	
1953-02-28	D	62611	3052.10	NAVD88	1	Z	
1953-02-28	D	72019	13.90		1	Z	
1954-01-18	D	62610	3050.23	NGVD29	1	Z	
1954-01-18	D	62611	3051.84	NAVD88	1	Z	
1954-01-18	D	72019	14.16		1	Z	

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	Z	Other.
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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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321410104072301&agency_cd=USGS&format=html)

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2024-05-13 10:12:55 EDT

0.34 0.3 nadww02



FEMA National Flood Hazard Layer (NFHL)



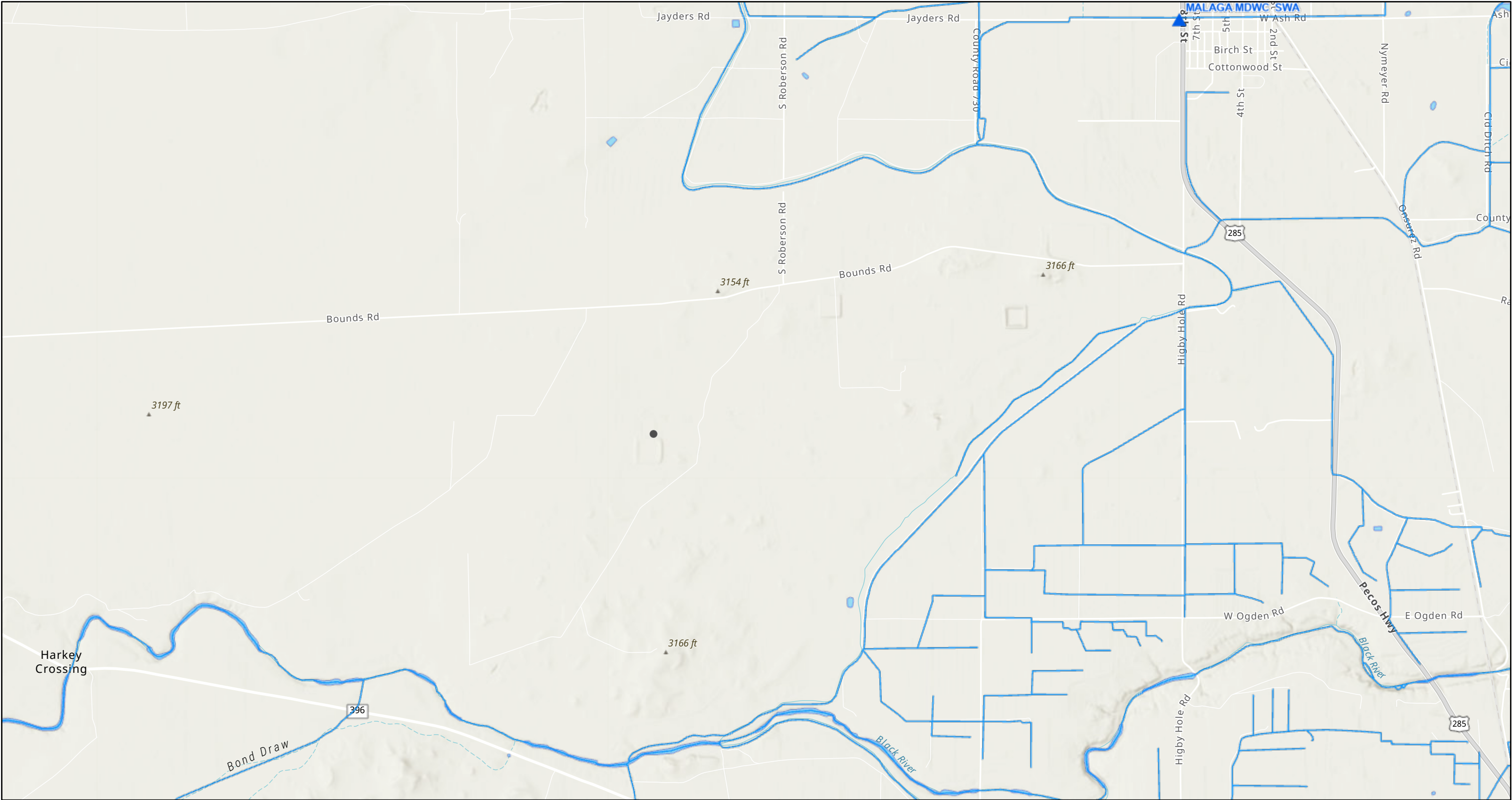
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



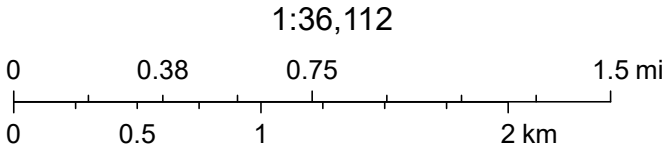
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Chopper State 003H (04.30.2024)



5/12/2024, 7:17:00 PM

- OSW Water Bodys
- OSE Streams
- NMED Drinking Water Systems



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

Generated 5/22/2024 4:43:45 PM

JOB DESCRIPTION

Chopper State 003H (04.30.24)
Eddy County, New Mexico

JOB NUMBER

880-43720-1

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
5/22/2024 4:43:45 PM

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

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Laboratory Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: Chopper State 003H (04.30.24)

Job ID: 880-43720-1

Job ID: 880-43720-1

Eurofins Midland

Job Narrative 880-43720-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 5/21/2024 12:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-43720-1), S-1 (1.5') (880-43720-2), S-1 (2') (880-43720-3), S-1 (3') (880-43720-4) and S-1 (4') (880-43720-5).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-81207 and analytical batch 880-81149 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

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: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43720-1

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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		05/21/24 13:41	05/21/24 20:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 20:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 20:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/21/24 13:41	05/21/24 20:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 20:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/21/24 13:41	05/21/24 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/21/24 13:41	05/21/24 20:27	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/21/24 13:41	05/21/24 20:27	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			05/21/24 20:27	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			05/21/24 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/21/24 13:50	05/21/24 20:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/24 13:50	05/21/24 20:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/24 13:50	05/21/24 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	05/21/24 13:50	05/21/24 20:35	1
o-Terphenyl	90		70 - 130	05/21/24 13:50	05/21/24 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	423		5.02		mg/Kg			05/21/24 16:51	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-43720-2

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 20:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 20:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 20:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/24 13:41	05/21/24 20:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 20:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/24 13:41	05/21/24 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/21/24 13:41	05/21/24 20:48	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/21/24 13:41	05/21/24 20:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-43720-2

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/21/24 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/21/24 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 21:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 21:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/21/24 13:50	05/21/24 21:18	1
o-Terphenyl	102		70 - 130				05/21/24 13:50	05/21/24 21:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.1		5.04		mg/Kg			05/21/24 17:10	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-43720-3

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/24 13:41	05/21/24 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				05/21/24 13:41	05/21/24 21:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/21/24 13:41	05/21/24 21:09	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			05/21/24 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/21/24 21:33	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		05/21/24 13:50	05/21/24 21:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/24 13:50	05/21/24 21:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-43720-3

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/24 13:50	05/21/24 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				05/21/24 13:50	05/21/24 21:33	1
o-Terphenyl	114		70 - 130				05/21/24 13:50	05/21/24 21:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.2		4.99		mg/Kg			05/21/24 17:16	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-43720-4

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/21/24 13:41	05/21/24 21:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/21/24 13:41	05/21/24 21:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/21/24 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	<49.9	U	49.9		mg/Kg			05/21/24 21:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/21/24 13:50	05/21/24 21:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/21/24 13:50	05/21/24 21:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/24 13:50	05/21/24 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/21/24 13:50	05/21/24 21:47	1
o-Terphenyl	112		70 - 130				05/21/24 13:50	05/21/24 21:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.02		mg/Kg			05/21/24 17:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (4')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/24 13:41	05/21/24 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/21/24 13:41	05/21/24 21:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/21/24 13:41	05/21/24 21:50	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			05/21/24 21:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/21/24 22:03	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		05/21/24 13:50	05/21/24 22:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/24 13:50	05/21/24 22:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/24 13:50	05/21/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/21/24 13:50	05/21/24 22:03	1
o-Terphenyl	106		70 - 130				05/21/24 13:50	05/21/24 22:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		5.05		mg/Kg			05/21/24 17:28	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-43720-1	S-1 (0-1')	87	93
880-43720-2	S-1 (1.5')	87	91
880-43720-3	S-1 (2')	94	91
880-43720-4	S-1 (3')	95	91
880-43720-5	S-1 (4')	95	92
880-43721-A-1-C MS	Matrix Spike	96	97
880-43721-A-1-D MSD	Matrix Spike Duplicate	86	84
LCS 880-81207/1-A	Lab Control Sample	94	98
LCSD 880-81207/2-A	Lab Control Sample Dup	100	104
MB 880-81207/5-A	Method Blank	84	90
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)
880-43720-1	S-1 (0-1')	89	90
880-43720-1 MS	S-1 (0-1')	112	100
880-43720-1 MSD	S-1 (0-1')	112	100
880-43720-2	S-1 (1.5')	100	102
880-43720-3	S-1 (2')	112	114
880-43720-4	S-1 (3')	110	112
880-43720-5	S-1 (4')	103	106
LCS 880-81208/2-A	Lab Control Sample	87	73
LCSD 880-81208/3-A	Lab Control Sample Dup	87	75
MB 880-81208/1-A	Method Blank	72	73
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-81207/5-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 81207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 15:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	05/21/24 13:41	05/21/24 15:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/21/24 13:41	05/21/24 15:34	1

Lab Sample ID: LCS 880-81207/1-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.09386		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-81207/2-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1095		mg/Kg		110	70 - 130	3	35
Toluene	0.100	0.09609		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2059		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-43721-A-1-C MS

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.100	0.08650		mg/Kg		87	70 - 130
Toluene	<0.00201	U F2 F1	0.100	0.07781		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43721-A-1-C MS
Matrix: Solid
Analysis Batch: 81149

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F2 F1	0.100	0.07953		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1570		mg/Kg		78	70 - 130
o-Xylene	<0.00201	U F2 F1	0.100	0.07413		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 880-43721-A-1-D MSD
Matrix: Solid
Analysis Batch: 81149

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.100	0.05390	F2 F1	mg/Kg		54	70 - 130	46	35
Toluene	<0.00201	U F2 F1	0.100	0.04088	F2 F1	mg/Kg		41	70 - 130	62	35
Ethylbenzene	<0.00201	U F2 F1	0.100	0.03085	F2 F1	mg/Kg		31	70 - 130	88	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.05674	F2 F1	mg/Kg		28	70 - 130	94	35
o-Xylene	<0.00201	U F2 F1	0.100	0.02844	F2 F1	mg/Kg		28	70 - 130	89	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								

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

Lab Sample ID: MB 880-81208/1-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81208

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		05/21/24 13:49	05/21/24 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/24 13:49	05/21/24 19:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/24 13:49	05/21/24 19:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	72		70 - 130						
o-Terphenyl	73		70 - 130						

Lab Sample ID: LCS 880-81208/2-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	809.4		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	730.6		mg/Kg		73	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-81208/2-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81208

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: LCSD 880-81208/3-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.1		mg/Kg		87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	731.5		mg/Kg		73	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	75		70 - 130

Lab Sample ID: 880-43720-1 MS
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 81208

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	995	797.3		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	771.1		mg/Kg		77	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-43720-1 MSD
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	812.7		mg/Kg		82	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	709.5		mg/Kg		71	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	100		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-81206/1-A Matrix: Solid Analysis Batch: 81218										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			05/21/24 16:32	1		

Lab Sample ID: LCS 880-81206/2-A Matrix: Solid Analysis Batch: 81218										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.4		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-81206/3-A Matrix: Solid Analysis Batch: 81218										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	235.4		mg/Kg		94	90 - 110	3	20

Lab Sample ID: 880-43720-1 MS Matrix: Solid Analysis Batch: 81218										Client Sample ID: S-1 (0-1') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	423		251	664.4		mg/Kg		96	90 - 110		

Lab Sample ID: 880-43720-1 MSD Matrix: Solid Analysis Batch: 81218										Client Sample ID: S-1 (0-1') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	423		251	658.0		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 81149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	8021B	81207
880-43720-2	S-1 (1.5')	Total/NA	Solid	8021B	81207
880-43720-3	S-1 (2')	Total/NA	Solid	8021B	81207
880-43720-4	S-1 (3')	Total/NA	Solid	8021B	81207
880-43720-5	S-1 (4')	Total/NA	Solid	8021B	81207
MB 880-81207/5-A	Method Blank	Total/NA	Solid	8021B	81207
LCS 880-81207/1-A	Lab Control Sample	Total/NA	Solid	8021B	81207
LCSD 880-81207/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	81207
880-43721-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	81207
880-43721-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	81207

Prep Batch: 81207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	5035	
880-43720-2	S-1 (1.5')	Total/NA	Solid	5035	
880-43720-3	S-1 (2')	Total/NA	Solid	5035	
880-43720-4	S-1 (3')	Total/NA	Solid	5035	
880-43720-5	S-1 (4')	Total/NA	Solid	5035	
MB 880-81207/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-81207/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-81207/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43721-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-43721-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 81307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-43720-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-43720-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-43720-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-43720-5	S-1 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 81099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	8015B NM	81208
880-43720-2	S-1 (1.5')	Total/NA	Solid	8015B NM	81208
880-43720-3	S-1 (2')	Total/NA	Solid	8015B NM	81208
880-43720-4	S-1 (3')	Total/NA	Solid	8015B NM	81208
880-43720-5	S-1 (4')	Total/NA	Solid	8015B NM	81208
MB 880-81208/1-A	Method Blank	Total/NA	Solid	8015B NM	81208
LCS 880-81208/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	81208
LCSD 880-81208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	81208
880-43720-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	81208
880-43720-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	81208

Prep Batch: 81208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-43720-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 81208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-43720-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-43720-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
MB 880-81208/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-81208/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-81208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43720-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-43720-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 81324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-43720-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-43720-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-43720-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-43720-5	S-1 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 81206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-43720-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-43720-3	S-1 (2')	Soluble	Solid	DI Leach	
880-43720-4	S-1 (3')	Soluble	Solid	DI Leach	
880-43720-5	S-1 (4')	Soluble	Solid	DI Leach	
MB 880-81206/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81206/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81206/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43720-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-43720-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 81218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43720-1	S-1 (0-1')	Soluble	Solid	300.0	81206
880-43720-2	S-1 (1.5')	Soluble	Solid	300.0	81206
880-43720-3	S-1 (2')	Soluble	Solid	300.0	81206
880-43720-4	S-1 (3')	Soluble	Solid	300.0	81206
880-43720-5	S-1 (4')	Soluble	Solid	300.0	81206
MB 880-81206/1-A	Method Blank	Soluble	Solid	300.0	81206
LCS 880-81206/2-A	Lab Control Sample	Soluble	Solid	300.0	81206
LCSD 880-81206/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81206
880-43720-1 MS	S-1 (0-1')	Soluble	Solid	300.0	81206
880-43720-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	81206

Lab Chronicle

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-1
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			4.96 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81307	05/21/24 20:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			81324	05/21/24 20:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 20:35	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 16:51	SMC	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-2
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	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 20:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81307	05/21/24 20:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			81324	05/21/24 21:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 21:18	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 17:10	SMC	EET MID

Client Sample ID: S-1 (2')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-3
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			5.01 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 21:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81307	05/21/24 21:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			81324	05/21/24 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 21:33	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 17:16	SMC	EET MID

Client Sample ID: S-1 (3')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-4
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			5.00 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81307	05/21/24 21:30	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			81324	05/21/24 21:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 21:47	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 17:22	SMC	EET MID

Client Sample ID: S-1 (4')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43720-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 21:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81307	05/21/24 21:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			81324	05/21/24 22:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 22:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 17:28	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43720-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43720-1	S-1 (0-1')	Solid	05/20/24 00:00	05/21/24 12:20
880-43720-2	S-1 (1.5')	Solid	05/20/24 00:00	05/21/24 12:20
880-43720-3	S-1 (2')	Solid	05/20/24 00:00	05/21/24 12:20
880-43720-4	S-1 (3')	Solid	05/20/24 00:00	05/21/24 12:20
880-43720-5	S-1 (4')	Solid	05/20/24 00:00	05/21/24 12:20

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Chain of Custody

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Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@camronaresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Pertund
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Chopper State 003H (04.30.24)		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2371			<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush												None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico			Due Date:	72 HR												Cool: Cool	MeOH: Me	
Sampler's Name:	JR																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No														H ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	TRK																NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-1																Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.7																Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	4.6																NaOH+Ascorbic Acid: SAPC
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S-1 (0-1')		5/20/2024		X		G	1	X	X	X									
S-1 (1.5')		5/20/2024		X		G	1	X	X	X									
S-1 (2')		5/20/2024		X		G	1	X	X	X									
S-1 (3')		5/20/2024		X		G	1	X	X	X									
S-1 (4')		5/20/2024		X		G	1	X	X	X									

Comments: Email to Mike Carmona / Mcarmona@camronaresources.com and Conner Moehring / Cmoehring@camronaresources.com

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



880-43720 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43720-1
SDG Number: Eddy County, New Mexico

Login Number: 43720

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/22/2024 4:44:29 PM

JOB DESCRIPTION

Chopper State 003H (04.30.24)
Eddy County, New Mexico

JOB NUMBER

880-43722-1

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
5/22/2024 4:44:29 PM

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

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Laboratory Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: Chopper State 003H (04.30.24)

Job ID: 880-43722-1

Job ID: 880-43722-1

Eurofins Midland

Job Narrative 880-43722-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 5/21/2024 12:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-43722-1), H-2 (0-0.5') (880-43722-2), H-3 (0-0.5') (880-43722-3), H-4 (0-0.5') (880-43722-4) and H-5 (0-0.5') (880-43722-5).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-81207 and analytical batch 880-81149 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

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: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43722-1

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/24 13:41	05/21/24 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/21/24 13:41	05/21/24 22:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/21/24 13:41	05/21/24 22:11	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			05/21/24 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/21/24 23:31	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		05/21/24 13:50	05/21/24 23:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/21/24 13:50	05/21/24 23:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/21/24 13:50	05/21/24 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/21/24 13:50	05/21/24 23:31	1
o-Terphenyl	103		70 - 130				05/21/24 13:50	05/21/24 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		5.00		mg/Kg			05/21/24 19:32	1

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

Lab Sample ID: 880-43722-2

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/24 13:41	05/21/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/21/24 13:41	05/21/24 22:31	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/21/24 13:41	05/21/24 22:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43722-2

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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			05/21/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/21/24 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 23:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 23:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/21/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/21/24 13:50	05/21/24 23:46	1
o-Terphenyl	121		70 - 130				05/21/24 13:50	05/21/24 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.04		mg/Kg			05/21/24 19:39	1

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

Lab Sample ID: 880-43722-3

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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		05/21/24 13:41	05/21/24 22:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 22:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 22:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/21/24 13:41	05/21/24 22:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/24 13:41	05/21/24 22:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/21/24 13:41	05/21/24 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/21/24 13:41	05/21/24 22:52	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/21/24 13:41	05/21/24 22:52	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			05/21/24 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/22/24 00:01	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	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/22/24 00:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/22/24 00:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Client Sample ID: H-3 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/22/24 00:01	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130				05/21/24 13:50	05/22/24 00:01	1	
o-Terphenyl	92		70 - 130				05/21/24 13:50	05/22/24 00:01	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	297		5.02		mg/Kg			05/21/24 19:57	1	

Client Sample ID: H-4 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 23:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		70 - 130				05/21/24 13:41	05/21/24 23:12	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				05/21/24 13:41	05/21/24 23:12	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/21/24 23:12	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			05/22/24 00:15	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	<49.7	U	49.7		mg/Kg		05/21/24 13:50	05/22/24 00:15	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/21/24 13:50	05/22/24 00:15	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/21/24 13:50	05/22/24 00:15	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130				05/21/24 13:50	05/22/24 00:15	1	
o-Terphenyl	106		70 - 130				05/21/24 13:50	05/22/24 00:15	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21.0		4.97		mg/Kg			05/21/24 20:03	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43722-5

Date Collected: 05/20/24 00:00

Matrix: Solid

Date Received: 05/21/24 12:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/21/24 13:41	05/21/24 23:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 23:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/24 13:41	05/21/24 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/21/24 13:41	05/21/24 23:33	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/21/24 13:41	05/21/24 23:33	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			05/21/24 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/22/24 00:31	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		05/21/24 13:50	05/22/24 00:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/22/24 00:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/24 13:50	05/22/24 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	05/21/24 13:50	05/22/24 00:31	1
o-Terphenyl	97		70 - 130	05/21/24 13:50	05/22/24 00:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		5.03		mg/Kg			05/21/24 20:22	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-43721-A-1-C MS	Matrix Spike	96	97
880-43721-A-1-D MSD	Matrix Spike Duplicate	86	84
880-43722-1	H-1 (0-0.5')	89	88
880-43722-2	H-2 (0-0.5')	93	89
880-43722-3	H-3 (0-0.5')	93	85
880-43722-4	H-4 (0-0.5')	94	89
880-43722-5	H-5 (0-0.5')	97	89
LCS 880-81207/1-A	Lab Control Sample	94	98
LCSD 880-81207/2-A	Lab Control Sample Dup	100	104
MB 880-81207/5-A	Method Blank	84	90
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)
880-43720-A-1-E MS	Matrix Spike	112	100
880-43720-A-1-F MSD	Matrix Spike Duplicate	112	100
880-43722-1	H-1 (0-0.5')	102	103
880-43722-2	H-2 (0-0.5')	117	121
880-43722-3	H-3 (0-0.5')	89	92
880-43722-4	H-4 (0-0.5')	104	106
880-43722-5	H-5 (0-0.5')	95	97
LCS 880-81208/2-A	Lab Control Sample	87	73
LCSD 880-81208/3-A	Lab Control Sample Dup	87	75
MB 880-81208/1-A	Method Blank	72	73
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-81207/5-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 81207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/24 13:41	05/21/24 15:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/24 13:41	05/21/24 15:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	05/21/24 13:41	05/21/24 15:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/21/24 13:41	05/21/24 15:34	1

Lab Sample ID: LCS 880-81207/1-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.09386		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-81207/2-A

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1095		mg/Kg		110	70 - 130	3	35
Toluene	0.100	0.09609		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2059		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-43721-A-1-C MS

Matrix: Solid

Analysis Batch: 81149

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.100	0.08650		mg/Kg		87	70 - 130
Toluene	<0.00201	U F2 F1	0.100	0.07781		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-43721-A-1-C MS
Matrix: Solid
Analysis Batch: 81149

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F2 F1	0.100	0.07953		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1570		mg/Kg		78	70 - 130
o-Xylene	<0.00201	U F2 F1	0.100	0.07413		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 880-43721-A-1-D MSD
Matrix: Solid
Analysis Batch: 81149

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 81207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.100	0.05390	F2 F1	mg/Kg		54	70 - 130	46	35
Toluene	<0.00201	U F2 F1	0.100	0.04088	F2 F1	mg/Kg		41	70 - 130	62	35
Ethylbenzene	<0.00201	U F2 F1	0.100	0.03085	F2 F1	mg/Kg		31	70 - 130	88	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.05674	F2 F1	mg/Kg		28	70 - 130	94	35
o-Xylene	<0.00201	U F2 F1	0.100	0.02844	F2 F1	mg/Kg		28	70 - 130	89	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								

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

Lab Sample ID: MB 880-81208/1-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81208

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		05/21/24 13:49	05/21/24 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/24 13:49	05/21/24 19:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/24 13:49	05/21/24 19:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	72		70 - 130						
o-Terphenyl	73		70 - 130						

Lab Sample ID: LCS 880-81208/2-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	809.4		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	730.6		mg/Kg		73	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-81208/2-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81208

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: LCSD 880-81208/3-A
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.1		mg/Kg		87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	731.5		mg/Kg		73	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	75		70 - 130

Lab Sample ID: 880-43720-A-1-E MS
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 81208

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	995	797.3		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	771.1		mg/Kg		77	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-43720-A-1-F MSD
Matrix: Solid
Analysis Batch: 81099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 81208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	812.7		mg/Kg		82	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	709.5		mg/Kg		71	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	100		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-81206/1-A Matrix: Solid Analysis Batch: 81218										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			05/21/24 16:32	1		

Lab Sample ID: LCS 880-81206/2-A Matrix: Solid Analysis Batch: 81218										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.4		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-81206/3-A Matrix: Solid Analysis Batch: 81218										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	235.4		mg/Kg		94	90 - 110	3	20

Lab Sample ID: 880-43722-2 MS Matrix: Solid Analysis Batch: 81218										Client Sample ID: H-2 (0-0.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	115		252	364.6		mg/Kg		99	90 - 110		

Lab Sample ID: 880-43722-2 MSD Matrix: Solid Analysis Batch: 81218										Client Sample ID: H-2 (0-0.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	115		252	357.9		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 81149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	8021B	81207
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	8021B	81207
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	8021B	81207
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	8021B	81207
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	8021B	81207
MB 880-81207/5-A	Method Blank	Total/NA	Solid	8021B	81207
LCS 880-81207/1-A	Lab Control Sample	Total/NA	Solid	8021B	81207
LCSD 880-81207/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	81207
880-43721-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	81207
880-43721-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	81207

Prep Batch: 81207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-81207/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-81207/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-81207/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43721-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-43721-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 81308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 81099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	81208
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	81208
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	81208
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	81208
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	81208
MB 880-81208/1-A	Method Blank	Total/NA	Solid	8015B NM	81208
LCS 880-81208/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	81208
LCSD 880-81208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	81208
880-43720-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	81208
880-43720-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	81208

Prep Batch: 81208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 81208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-81208/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-81208/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-81208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43720-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-43720-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 81326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-43722-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-43722-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-43722-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-43722-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 81206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-43722-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-43722-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-43722-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-43722-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-81206/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81206/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81206/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43722-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-43722-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 81218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43722-1	H-1 (0-0.5')	Soluble	Solid	300.0	81206
880-43722-2	H-2 (0-0.5')	Soluble	Solid	300.0	81206
880-43722-3	H-3 (0-0.5')	Soluble	Solid	300.0	81206
880-43722-4	H-4 (0-0.5')	Soluble	Solid	300.0	81206
880-43722-5	H-5 (0-0.5')	Soluble	Solid	300.0	81206
MB 880-81206/1-A	Method Blank	Soluble	Solid	300.0	81206
LCS 880-81206/2-A	Lab Control Sample	Soluble	Solid	300.0	81206
LCSD 880-81206/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81206
880-43722-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	81206
880-43722-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	81206

Lab Chronicle

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 22:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81308	05/21/24 22:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			81326	05/21/24 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 23:31	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 19:32	SMC	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-2
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			4.98 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81308	05/21/24 22:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			81326	05/21/24 23:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/21/24 23:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 19:39	SMC	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81308	05/21/24 22:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			81326	05/22/24 00:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/22/24 00:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 19:57	SMC	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-4
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			5.00 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81308	05/21/24 23:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			81326	05/22/24 00:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/22/24 00:15	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 20:03	SMC	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 05/20/24 00:00
Date Received: 05/21/24 12:20

Lab Sample ID: 880-43722-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81207	05/21/24 13:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81149	05/21/24 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81308	05/21/24 23:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			81326	05/22/24 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81208	05/21/24 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81099	05/22/24 00:31	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	81206	05/21/24 13:22	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81218	05/21/24 20:22	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Chopper State 003H (04.30.24)

Job ID: 880-43722-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43722-1	H-1 (0-0.5')	Solid	05/20/24 00:00	05/21/24 12:20
880-43722-2	H-2 (0-0.5')	Solid	05/20/24 00:00	05/21/24 12:20
880-43722-3	H-3 (0-0.5')	Solid	05/20/24 00:00	05/21/24 12:20
880-43722-4	H-4 (0-0.5')	Solid	05/20/24 00:00	05/21/24 12:20
880-43722-5	H-5 (0-0.5')	Solid	05/20/24 00:00	05/21/24 12:20



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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input checked="" type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			5/1/04 12:00

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43722-1
SDG Number: Eddy County, New Mexico

Login Number: 43722
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	

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QUESTIONS

Action 368354

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	368354
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2415830580
Incident Name	NAPP2415830580 CHOPPER STATE COM 003H @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203346113] Chopper State Com 3H - Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Chopper State Com 003H
Date Release Discovered	04/30/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368354
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 06/06/2024
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QUESTIONS, Page 3

Action 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:
	217955
	Action Number:
	368354
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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	297
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	49
GRO+DRO	(EPA SW-846 Method 8015M)	49
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/01/2024
On what date will (or did) the final sampling or liner inspection occur	06/08/2024
On what date will (or was) the remediation complete(d)	05/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	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.

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QUESTIONS, Page 4

Action 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:
	217955
	Action Number:
	368354
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Remediation Plan (continued)**

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

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Chopper State Com 3H - Battery [FAPP2203346113]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
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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 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368354
	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 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:
	217955
	Action Number:
	368354
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	351379
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/08/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	200

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)	na

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
--	---

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QUESTIONS, Page 7

Action 368354

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368354
	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 368354

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368354
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	8/2/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	8/2/2024