



SITE INFORMATION

Closure Report
Honey Graham State 5H
Eddy County, New Mexico
Incident ID: nAPP2505435714
Unit A Sec 29 T26S R28E
32.020377°, -104.104221°

Crude Oil Release
Point of Release: Flare Fire
Release Date: 02.22.2025
Volume Released: 1 Barrel of Crude Oil
Volume Recovered: 0 barrel 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



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November 2, 2025

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

**Re: Closure Report
Honey Graham State 5H (02.22.25)
Incident ID: NAPP2505435714
Concho Operating, LLC
Site Location: Unit A, S29, T26S, R28E
(Lat 32.020377°, Long -104.104221°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Honey Graham State 5H (02.22.25). The site is located at 32.020377, -104.104221 within Unit A, S29, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 22, 2025, due to a flare fire. The incident released approximately one (1) barrel of crude oil with zero (0) barrels of crude oil recovered. The impacted area occurred on pad, as shown in Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is a known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.45 miles South of the site in S29, T26S, R28E and was drilled in 2020. The well has a reported depth to groundwater of 33' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On April 22, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) trench points (T-1 and T-2) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 5' bgs inside and surrounding the release area to evaluate 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.

5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on August 5, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. A total of four (4) confirmation floor samples were collected (CS-1 through CS-4), and eight (8) sidewall samples (SW-1 through SW-8) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced locally. The composite pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 187 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. COG formally requests the closure of this incident. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-6823.

Sincerely,

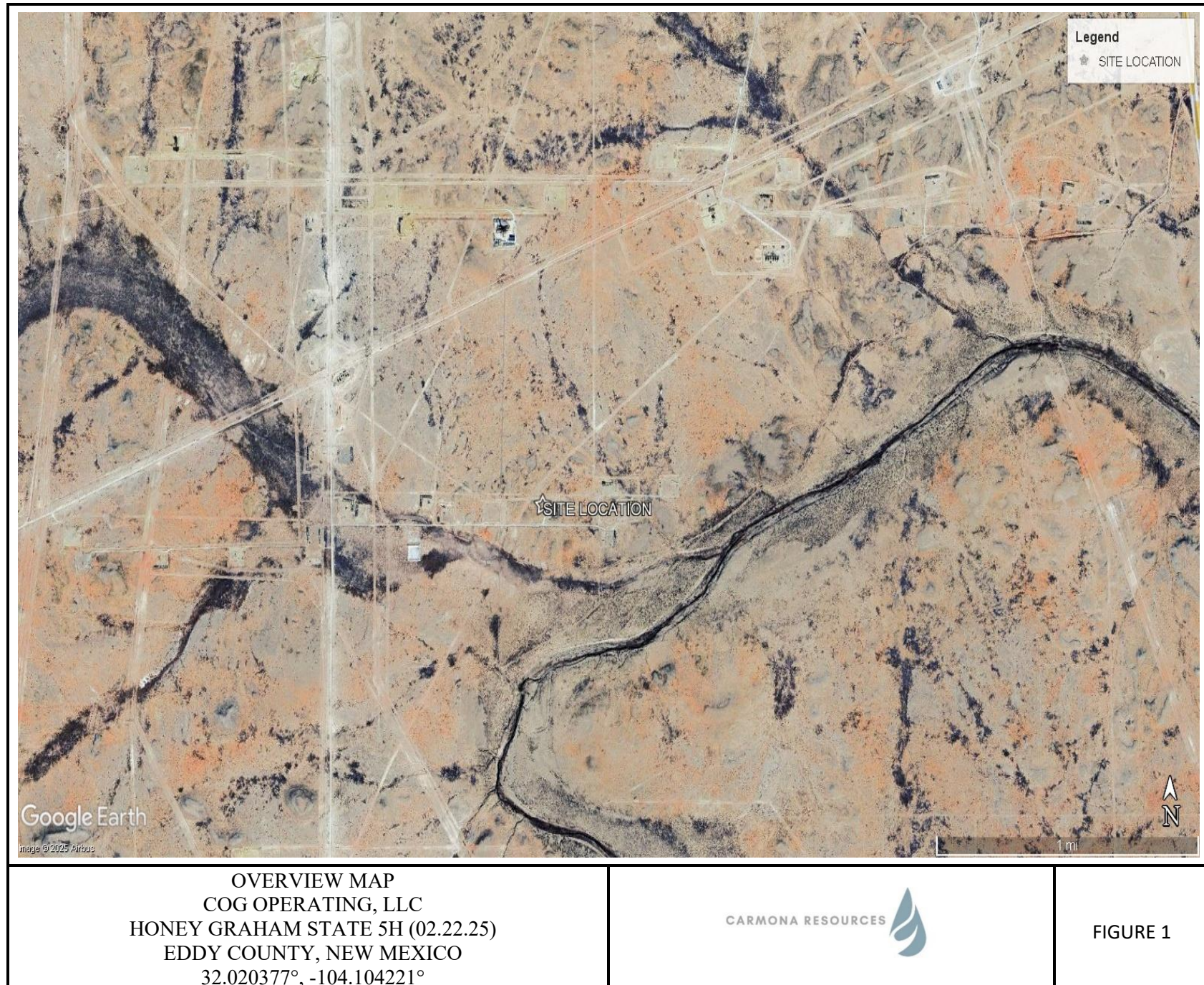
Carmona Resources, LLC

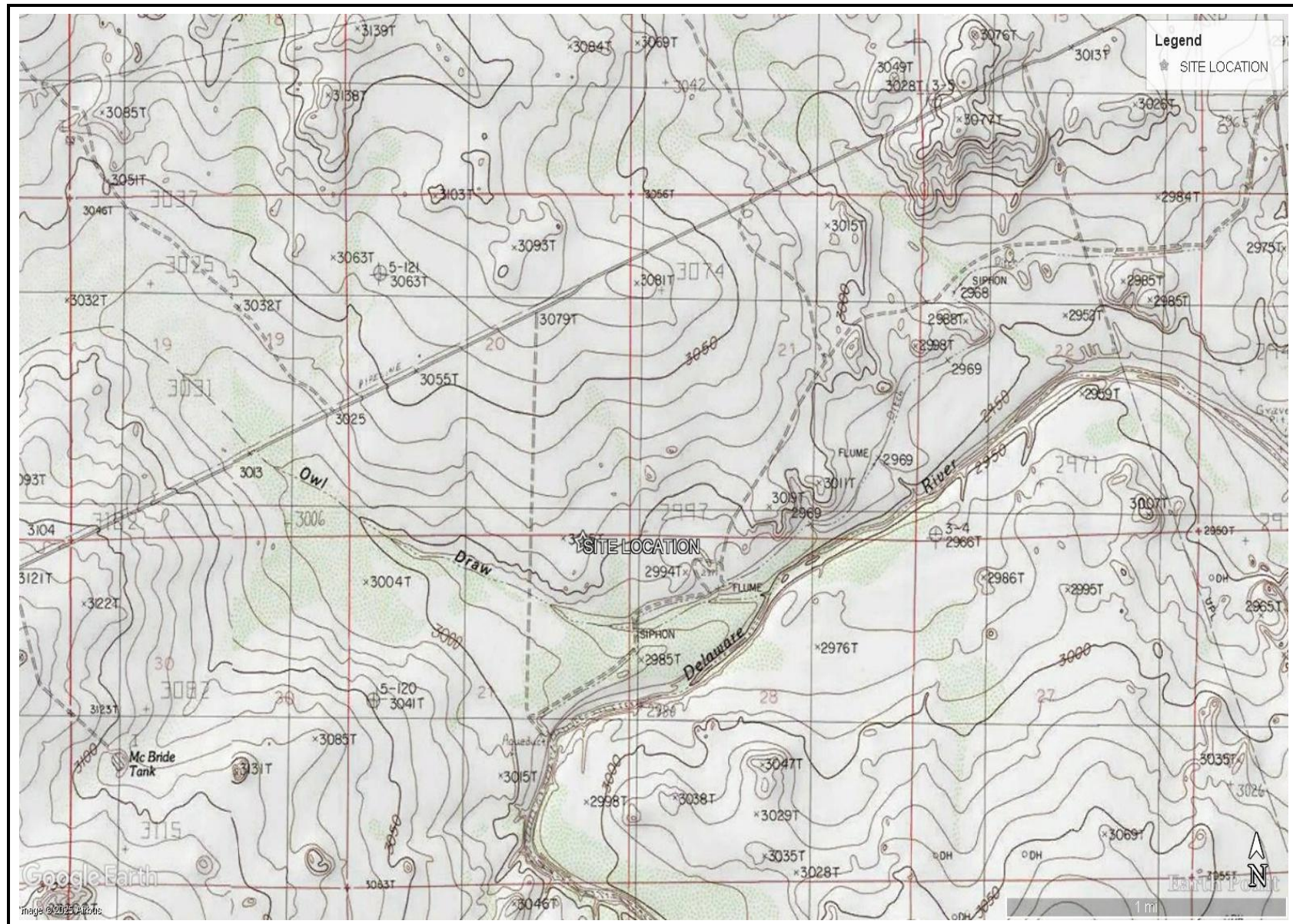
Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES



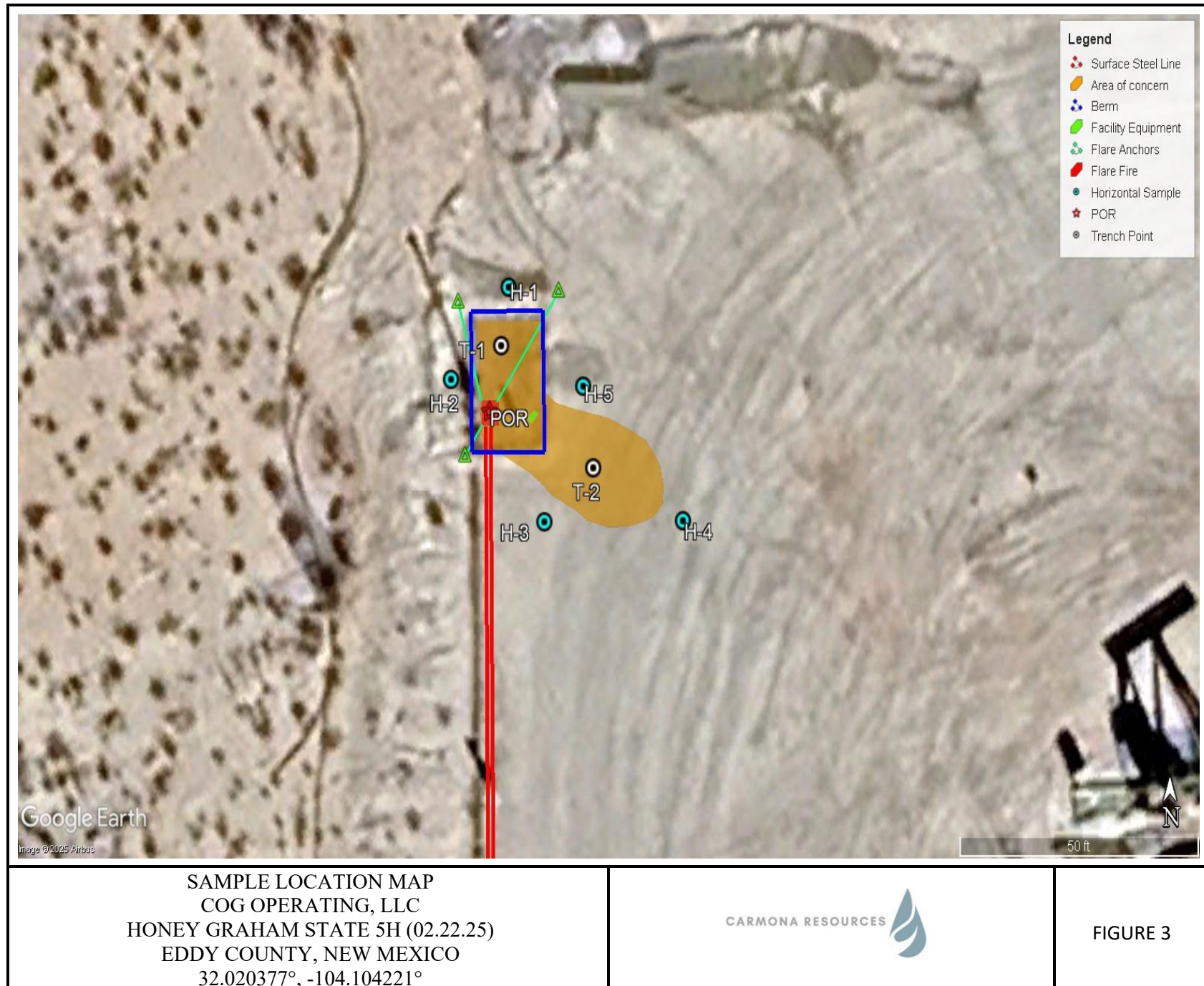


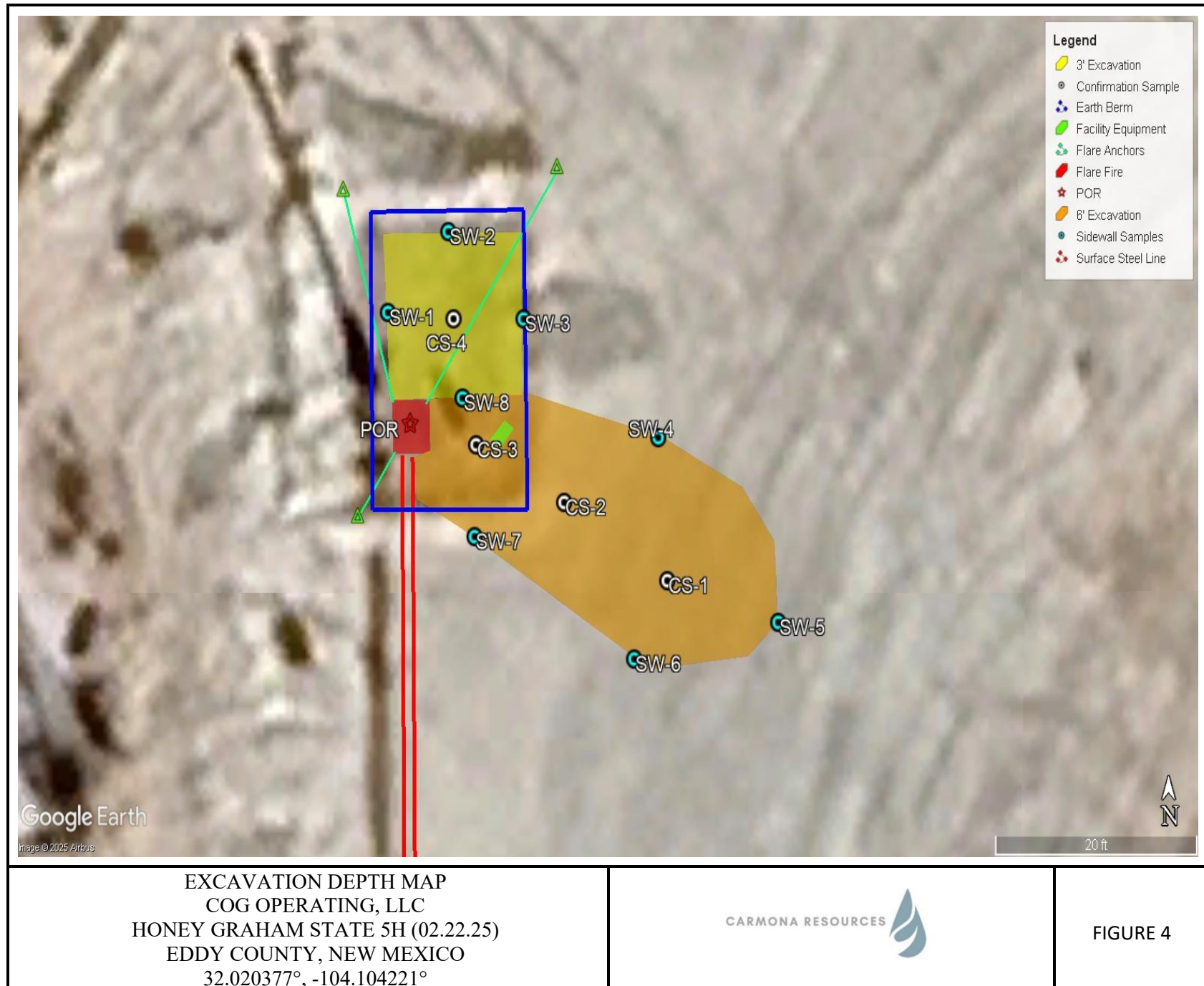


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 HONEY GRAHAM STATE 5H (02.22.25)
 EDDY COUNTY, NEW MEXICO
 32.020377°, -104.104221°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
2670 Honey Graham State Com 5H
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						
T-1	4/22/2025	0-1'	<49.7	>49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	171
	4/22/2025	1.5'	<49.8	877	<49.8	877	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	252
	4/22/2025	2'	<49.9	644	<49.9	644	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	294
	4/22/2025	3'	<50.1	60.3	<50.1	60.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	160
	4/22/2025	4'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	205
T-2	4/22/2025	0-1'	2,320	11,900	<501	14,200	0.244	7.98	0.1550	68.8	77.2	132
	4/22/2025	1.5'	2,630	11,200	<501	13,800	0.160	1.55	0.2160	14.4	16.3	386
	4/22/2025	2'	1,330	5,500	<49.8	6,830	0.0299	0.372	0.0945	8.97	7.23	107
	4/22/2025	3'	875	5,150	<49.9	6,030	<0.00198	0.0338	0.0462	5.79	5.16	154
	4/22/2025	4'	989	5,190	<49.8	6,180	0.00614	0.196	0.1150	0.774	1.09	88.1
	4/22/2025	5'	287	2,830	<50.1	3,120	<0.00200	0.0314	0.0313	0.30	0.363	174
	Dense Geological Formation											
H-1	3/6/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
H-2	3/6/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
H-3	3/6/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	163
H-4	3/6/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	246
H-5	3/6/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	211
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

(T) Trench

(H) Horizontal Sample

 Removed

Table 1
Conoco Phillips
2670 Honey Graham State Com 5H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	8/7/2025	6	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
CS-2	8/7/2025	6	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
CS-3	8/7/2025	6	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
CS-4	8/7/2025	3	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
SW-1	8/7/2025	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
SW-2	8/7/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
SW-3	8/7/2025	3	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.98
SW-4	8/7/2025	6	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
SW-5	8/7/2025	6	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.0
SW-6	8/7/2025	6	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<9.98
SW-7	8/7/2025	6	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<10.1
SW-8	8/7/2025	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
BACKFILL	8/7/2025	-	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
<i>Regulatory Criteria ^A</i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS)- Confirmation Sample

(SW)- Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 1****Facility:** Honey Graham State 5H (02.22.25)**County:** Eddy County, New Mexico**Description:**

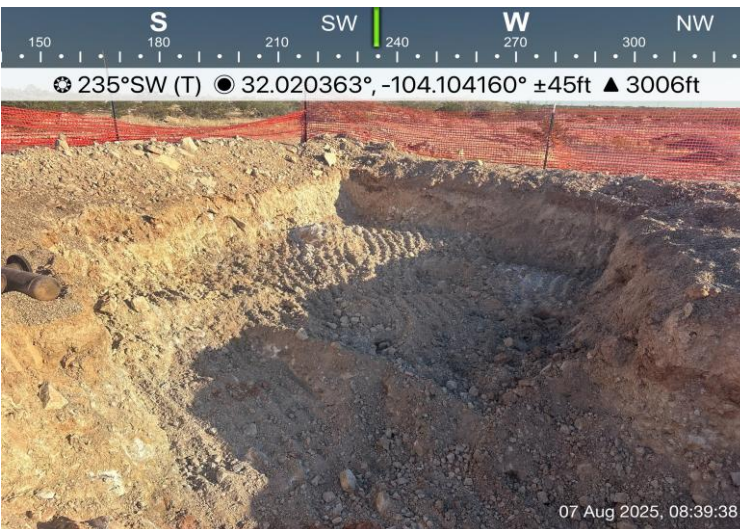
View West, area of spill.

**Photograph No. 2****Facility:** Honey Graham State 5H (02.22.25)**County:** Eddy County, New Mexico**Description:**

View Southwest, view of CS 1-2.

**Photograph No. 3****Facility:** Honey Graham State 5H (02.22.25)**County:** Eddy County, New Mexico**Description:**

View Southwest, view of CS 3-4.



APPENDIX C

CARMONA RESOURCES



Received by OCD: 11/6/2025 8:11:51 AM

Released to Imaging: 11/21/2025 1:46:07 PM

L48 Spill Volume Estimate Form - Fill In Gray Cells

Page 16 of 161

Facility Name & Well Number(s):					Honey Graham 5H Battery			Release Discovery Date & Time:		2/22/25 3:00 PM				
Provide any known details about the event:					the flare. He immediately shut the well in and isolated the flare. MSO then safely put out the remainder of the small fire with a fire extinguisher. During the investigation, MSO noticed that the inlet separator flare BPV failed open due to a bad diaphragm. This caused the inlet separator to lose all of its pressure and fill up with fluid. Sending its fluid down the flare line. MSO also noticed the inlet separators e-pilot low kill was set to low. Causing the e-pilot system to not work properly. He also concluded the flare				Primary Cause (dropdown):	Asset Integrity - General		Secondary Cause (dropdown):	Mechanical Damage/Failure	
					Recovered Volume (bbl.) (if available, not included in volume calculations)	Method of Determination (dropdown)	Release Type (dropdown):		> 1/2" of Rain in Last 24 Hours (dropdown):		% Rainwater Recovered (not included in volume calculations, informational):			
BU:	L48 Default		Asset Area:				Field Measurement	Oil		No		No		
Known Volume (dropdown):					No									
Known Area (dropdown):					No									
Spill Calculation - Subsurface Spill - Rectangle											Remediation Recommendation			
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)					Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb - RMR Handover Volume, (yd³.)	
Rectangle A	18.0	15.0	0.2	On-Pad	10.50%	0.80	0.08					0.21	750	
Rectangle B						0.00						0.00		
Rectangle C						0.00						0.00		
Rectangle D						0.00						0.00		
Rectangle E						0.00						0.00		
Rectangle F						0.00						0.00		
Rectangle G						0.00						0.00		
Rectangle H						0.00						0.00		
Rectangle I						0.00						0.00		
Rectangle J						0.00						0.00		
Total Subsurface Volume Released:							0.0841					0.21	BU	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 444177

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 444177
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505435714
Incident Name	NAPP2505435714 HONEY GRAHAM STATE 5H @ 0
Incident Type	Fire
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Honey Graham State 5H
Date Release Discovered	02/22/2025
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: Fire Other (Specify) Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 444177

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 444177
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (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: 03/20/2025
--	---

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

QUESTIONS, Page 3

Action 444177

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 444177
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Phone: (505) 476-3441

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

CONDITIONS

Action 444177

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 444177
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/20/2025

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

QUESTIONS

Action 492284

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 492284
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505435714
Incident Name	NAPP2505435714 HONEY GRAHAM STATE 5H @ 0
Incident Type	Fire
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Honey Graham State 5H
Date Release Discovered	02/22/2025
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	666
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/07/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-6823 This sampling notification is rescheduled due to an extended excavation timeline.
Please provide any information necessary for navigation to sampling site	2.020359, -104.104170

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 492284

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 492284
	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.	8/5/2025
jacquih	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/5/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.45 Miles
- 0.50 Mile Radius
- 1.37 Miles
- 1.49 Miles
- Honey Graham State 5H (02.22.2025)
- NMSEO Water Well
- USGS Water Well



High Karst

COG Operating

Legend

- High
- Honey Graham State 5H (02.22.2025)
- Medium





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are
smallest to
largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	(meters)	(In feet)		
													Distance	Well Depth	Depth Water	Water Column
C 04466 POD1		CUB	ED	SW	SW	NE	29	26S	28E	584327.2	3542357.4		742	96	33	63
C 02160 S7		CUB	ED	SW	SW	NW	22	26S	28E	586638.0	3543998.0 *		2197	300	120	180
C 04022 POD2		CUB	ED	NE	NE	NE	27	26S	28E	588106.4	3543082.2		3434	250	145	105
C 02475		CUB	ED		NE	SE	13	26S	27E	581450.0	3545252.0 *		3923	100		

Average Depth to Water: **99 feet**

Minimum Depth: **33 feet**

Maximum Depth: **145 feet**

Record Count: 4

UTM Filters (in meters):

Easting: 584673.00

Northing: 3543014.00

Radius: 4000

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of 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	Tw	Rng	X	Y
NA	C 04466 POD1	3	3	2	29	26S	28E	584327	3542357 
Driller License: 1456		Driller Company:				WHITE DRILLING COMPANY			
Driller Name: JOHN W WHITE									
Drill Start Date: 09/01/2020		Drill Finish Date:				09/02/2020		Plug Date: 10/16/2020	
Log File Date: 11/12/2020		PCW Rcv Date:						Source: Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield: 0 GPM	
Casing Size:		Depth Well:				96 feet		Depth Water: 33 feet	

Water Bearing Stratifications:		Top	Bottom	Description
		33	35	Sandstone/Gravel/Conglomerate
		35	37	Other/Unknown
		37	42	Other/Unknown
		42	54	Sandstone/Gravel/Conglomerate
		54	65	Other/Unknown
		65	67	Sandstone/Gravel/Conglomerate
		67	74	Sandstone/Gravel/Conglomerate

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

9/29/22 8:57 PM

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)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
C	02160 S7	3	3	1	22	26S	28E	586638	3543998* 
Driller License:		Driller Company:							
Driller Name:		HEMLER							
Drill Start Date:		Drill Finish Date:		01/01/1961		Plug Date:			
Log File Date:		PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:		300 feet		Depth Water:		120 feet	

*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.

9/29/22 8:58 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320230104060601

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

USGS 320230104060601 26S.28E.18.33111

Eddy County, New Mexico
Latitude 32°02'30", Longitude 104°06'06" NAD27
Land-surface elevation 3,070 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1981-05-01			D 62610		3050.88	NGVD29	1		Z		A
1981-05-01			D 62611		3052.48	NAVD88	1		Z		A
1981-05-01			D 72019	17.52			1		Z		A
1983-01-25			D 62610		3052.15	NGVD29	1		Z		A
1983-01-25			D 62611		3053.75	NAVD88	1		Z		A
1983-01-25			D 72019	16.25			1		Z		A
1987-10-13			D 62610		3053.27	NGVD29	1		Z		A
1987-10-13			D 62611		3054.87	NAVD88	1		Z		A
1987-10-13			D 72019	15.13			1		Z		A
1992-11-03			D 62610		3050.77	NGVD29	1		S		A
1992-11-03			D 62611		3052.37	NAVD88	1		S		A
1992-11-03			D 72019	17.63			1		S		A
1998-01-22			D 62610		3052.05	NGVD29	1		S		A
1998-01-22			D 62611		3053.65	NAVD88	1		S		A
1998-01-22			D 72019	16.35			1		S		A

Explanation

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

Section	Code	Description
Status	1	Static
Method of measurement	S	Steel-tape measurement.
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.

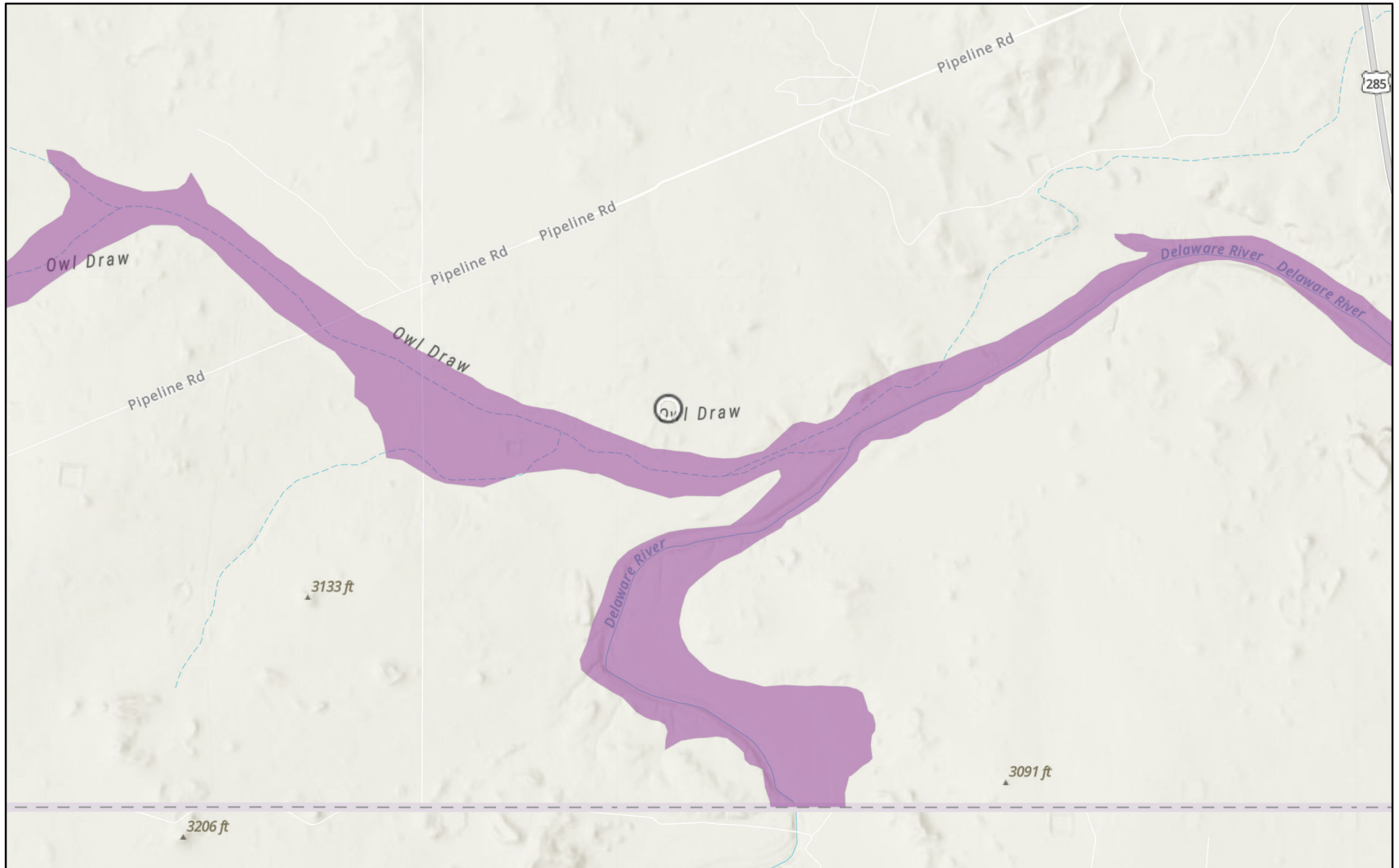
[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-12-11 09:11:55 EST
0.32 0.23 nadww01

Honey Graham State 5H (02.22.2025)

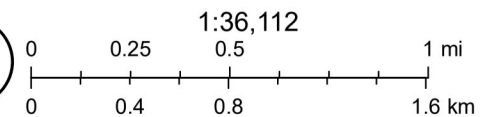


2/27/2025

USA Flood Hazard Areas

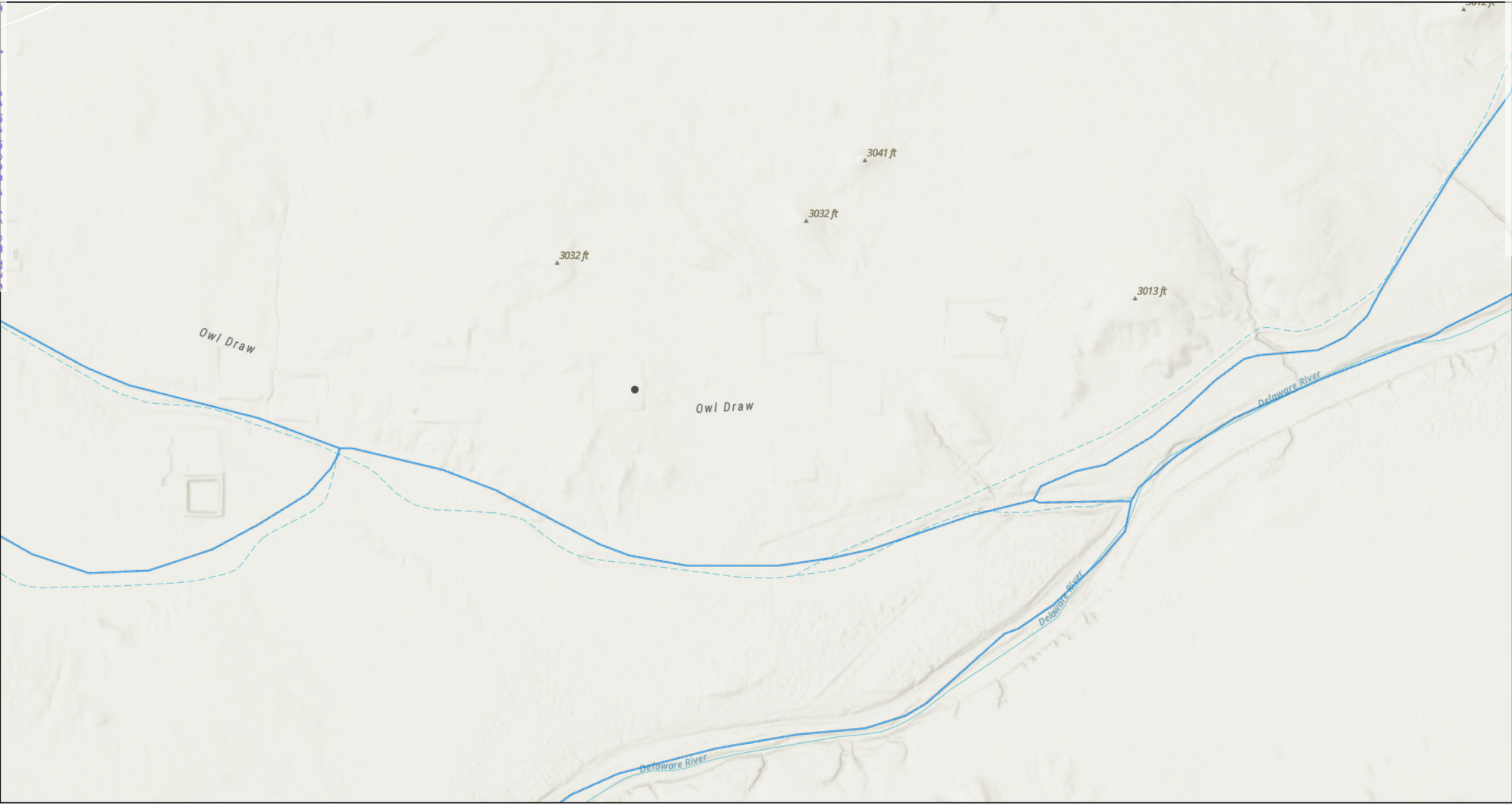
 1% Annual Chance Flood Hazard

World Hillshade



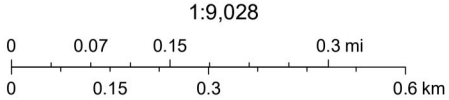
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, Airbus DS, USGS,

Honey Graham State 5H (02.22.2025)



2/27/2025, 9:09:01 AM

— OSE Streams



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 5/1/2025 3:09:07 PM

JOB DESCRIPTION

Honey Graham State Com 5H
Eddy County, New Mexico

JOB NUMBER

880-57283-1

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
5/1/2025 3:09:07 PM

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

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Laboratory Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Honey Graham State Com 5H

Job ID: 880-57283-1

Job ID: 880-57283-1

Eurofins Midland

Job Narrative
880-57283-1

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

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

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

Receipt

The samples were received on 4/23/2025 2:27 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 -0.2°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-57283-1), T-1 (1.5') (880-57283-2), T-1 (2') (880-57283-3), T-1 (3') (880-57283-4), T-1 (4') (880-57283-5), T-2 (0-1') (880-57283-6), T-2 (1.5') (880-57283-7), T-2 (2') (880-57283-8), T-2 (3') (880-57283-9), T-2 (4') (880-57283-10), T-2 (5') (880-57283-11), (CCV 880-108642/33), (CCV 880-108642/51), (CCV 880-108642/64), (LCS 880-108567/1-A), (LCS 880-108660/1-A), (LCSD 880-108567/2-A), (LCSD 880-108660/2-A), (880-56959-A-23-B MDLV), (880-57283-A-1-A MS) and (880-57283-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-108567 and analytical batch 880-108642 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-108660 and analytical batch 880-108642 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-57283-6), T-2 (1.5') (880-57283-7), T-2 (2') (880-57283-8) and T-2 (3') (880-57283-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (0-1') (880-57283-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-109037 and analytical batch 880-109029 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-108574/2-A), (LCSD 880-108574/3-A) and (880-57281-A-5-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (2') (880-57283-8), T-2 (3') (880-57283-9) and T-2 (4') (880-57283-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (5') (880-57283-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Honey Graham State Com 5H

Job ID: 880-57283-1

Job ID: 880-57283-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-108898/2-A) and (LCSD 880-108898/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (0-1') (880-57283-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (1.5') (880-57283-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-57283-1

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/24/25 11:55	04/25/25 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/24/25 11:55	04/25/25 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	04/24/25 11:55	04/25/25 11:55	1
1,4-Difluorobenzene (Surr)	80		70 - 130	04/24/25 11:55	04/25/25 11:55	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			04/25/25 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/28/25 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/25 12:59	04/28/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/25 12:59	04/28/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/25 12:59	04/28/25 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	04/24/25 12:59	04/28/25 20:43	1
o-Terphenyl (Surr)	94		70 - 130	04/24/25 12:59	04/28/25 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		10.0		mg/Kg			04/25/25 22:02	1

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-57283-2

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 12:15	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/24/25 11:55	04/25/25 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 12:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/24/25 11:55	04/25/25 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	04/24/25 11:55	04/25/25 12:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/24/25 11:55	04/25/25 12:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-57283-2

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/25/25 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	877		49.8		mg/Kg			04/28/25 20:58	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		04/24/25 12:59	04/28/25 20:58	1
Diesel Range Organics (Over C10-C28)	877		49.8		mg/Kg		04/24/25 12:59	04/28/25 20:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/25 12:59	04/28/25 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				04/24/25 12:59	04/28/25 20:58	1
o-Terphenyl (Surr)	112		70 - 130				04/24/25 12:59	04/28/25 20:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		9.96		mg/Kg			04/25/25 22:20	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-57283-3

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 12:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:36	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/24/25 11:55	04/25/25 12:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/25 11:55	04/25/25 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				04/24/25 11:55	04/25/25 12:36	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/24/25 11:55	04/25/25 12:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	644		49.9		mg/Kg			04/28/25 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/24/25 12:59	04/28/25 21:13	1
Diesel Range Organics (Over C10-C28)	644		49.9		mg/Kg		04/24/25 12:59	04/28/25 21:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-57283-3

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 12:59	04/28/25 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				04/24/25 12:59	04/28/25 21:13	1
o-Terphenyl (Surr)	106		70 - 130				04/24/25 12:59	04/28/25 21:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		9.98		mg/Kg			04/25/25 22:26	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-57283-4

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 12:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/24/25 11:55	04/25/25 12:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/25 11:55	04/25/25 12:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/25 11:55	04/25/25 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				04/24/25 11:55	04/25/25 12:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/24/25 11:55	04/25/25 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.3		50.1		mg/Kg			04/28/25 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/24/25 12:59	04/28/25 21:28	1
Diesel Range Organics (Over C10-C28)	60.3		50.1		mg/Kg		04/24/25 12:59	04/28/25 21:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/25 12:59	04/28/25 21:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130				04/24/25 12:59	04/28/25 21:28	1
o-Terphenyl (Surr)	97		70 - 130				04/24/25 12:59	04/28/25 21:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.90		mg/Kg			04/25/25 22:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-57283-5

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 13:17	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/24/25 11:55	04/25/25 13:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 13:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/24/25 11:55	04/25/25 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	04/24/25 11:55	04/25/25 13:17	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/24/25 11:55	04/25/25 13:17	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			04/25/25 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	253		50.2		mg/Kg			04/28/25 21:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/24/25 12:59	04/28/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.2		50.2		mg/Kg		04/24/25 12:59	04/28/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/25 12:59	04/28/25 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	04/24/25 12:59	04/28/25 21:43	1
o-Terphenyl (Surr)	102		70 - 130	04/24/25 12:59	04/28/25 21:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		9.94		mg/Kg			04/25/25 22:38	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-57283-6

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.244		0.00201		mg/Kg		04/24/25 11:55	04/25/25 13:37	1
Toluene	7.98		0.0505		mg/Kg		04/29/25 08:33	04/29/25 12:51	25
Ethylbenzene	0.155		0.00201		mg/Kg		04/24/25 11:55	04/25/25 13:37	1
m,p-Xylenes	45.9		1.01		mg/Kg		04/30/25 08:55	04/30/25 18:10	250
o-Xylene	22.9		0.503		mg/Kg		04/30/25 08:55	04/30/25 18:10	250
Xylenes, Total	68.8		1.01		mg/Kg		04/30/25 08:55	04/30/25 18:10	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	316	S1+	70 - 130	04/24/25 11:55	04/25/25 13:37	1
1,4-Difluorobenzene (Surr)	113		70 - 130	04/24/25 11:55	04/25/25 13:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-57283-6

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	77.2		1.01		mg/Kg			04/30/25 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14200		501		mg/Kg			04/29/25 15:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2320		501		mg/Kg		04/28/25 16:59	04/29/25 15:16	10
Diesel Range Organics (Over C10-C28)	11900		501		mg/Kg		04/28/25 16:59	04/29/25 15:16	10
Oil Range Organics (Over C28-C36)	<501	U	501		mg/Kg		04/28/25 16:59	04/29/25 15:16	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	248	S1+	70 - 130				04/28/25 16:59	04/29/25 15:16	10
o-Terphenyl (Surr)	348	S1+	70 - 130				04/28/25 16:59	04/29/25 15:16	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		10.0		mg/Kg			04/25/25 22:44	1

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-57283-7

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.160		0.00200		mg/Kg		04/24/25 11:55	04/25/25 13:58	1
Toluene	1.55		0.0495		mg/Kg		04/29/25 08:33	04/29/25 13:12	25
Ethylbenzene	0.216		0.00200		mg/Kg		04/24/25 11:55	04/25/25 13:58	1
m,p-Xylenes	5.68		0.0990		mg/Kg		04/29/25 08:33	04/29/25 13:12	25
o-Xylene	8.68		0.0495		mg/Kg		04/29/25 08:33	04/29/25 13:12	25
Xylenes, Total	14.4		0.0990		mg/Kg		04/29/25 08:33	04/29/25 13:12	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	376	S1+	70 - 130				04/24/25 11:55	04/25/25 13:58	1
1,4-Difluorobenzene (Surr)	72		70 - 130				04/24/25 11:55	04/25/25 13:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	16.3		0.0990		mg/Kg			04/29/25 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13800		501		mg/Kg			04/29/25 15:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2630		501		mg/Kg		04/28/25 17:06	04/29/25 15:16	10
Diesel Range Organics (Over C10-C28)	11200		501		mg/Kg		04/28/25 17:06	04/29/25 15:16	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-57283-7

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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)	<501	U	501		mg/Kg		04/28/25 17:06	04/29/25 15:16	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	253	S1+	70 - 130				04/28/25 17:06	04/29/25 15:16	10
o-Terphenyl (Surr)	335	S1+	70 - 130				04/28/25 17:06	04/29/25 15:16	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		9.90		mg/Kg			04/25/25 22:50	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-57283-8

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0299		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:18	1
Toluene	0.372		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:18	1
Ethylbenzene	0.0945		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:18	1
m,p-Xylenes	0.669		0.00398		mg/Kg		04/24/25 11:55	04/25/25 14:18	1
o-Xylene	6.06		0.0499		mg/Kg		04/29/25 08:33	04/29/25 13:32	25
Xylenes, Total	8.97		0.0998		mg/Kg		04/29/25 08:33	04/29/25 13:32	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	304	S1+	70 - 130				04/24/25 11:55	04/25/25 14:18	1
1,4-Difluorobenzene (Surr)	122		70 - 130				04/24/25 11:55	04/25/25 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	7.23		0.00398		mg/Kg			04/29/25 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6830		49.8		mg/Kg			04/28/25 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1330		49.8		mg/Kg		04/24/25 12:59	04/28/25 22:29	1
Diesel Range Organics (Over C10-C28)	5500		49.8		mg/Kg		04/24/25 12:59	04/28/25 22:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/25 12:59	04/28/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	157	S1+	70 - 130				04/24/25 12:59	04/28/25 22:29	1
o-Terphenyl (Surr)	202	S1+	70 - 130				04/24/25 12:59	04/28/25 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.1		mg/Kg			04/25/25 22:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-57283-9

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 14:39	1
Toluene	0.0338		0.00198		mg/Kg		04/24/25 11:55	04/25/25 14:39	1
Ethylbenzene	0.0462		0.00198		mg/Kg		04/24/25 11:55	04/25/25 14:39	1
m,p-Xylenes	0.0946		0.00396		mg/Kg		04/24/25 11:55	04/25/25 14:39	1
o-Xylene	4.99		0.0501		mg/Kg		04/29/25 08:33	04/29/25 13:53	25
Xylenes, Total	5.79		0.100		mg/Kg		04/29/25 08:33	04/29/25 13:53	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	243	S1+	70 - 130	04/24/25 11:55	04/25/25 14:39	1
1,4-Difluorobenzene (Surr)	75		70 - 130	04/24/25 11:55	04/25/25 14:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	5.16		0.00396		mg/Kg			04/29/25 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6030		49.9		mg/Kg			04/28/25 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	875		49.9		mg/Kg		04/24/25 12:59	04/28/25 22:44	1
Diesel Range Organics (Over C10-C28)	5150		49.9		mg/Kg		04/24/25 12:59	04/28/25 22:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/24/25 12:59	04/28/25 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	155	S1+	70 - 130	04/24/25 12:59	04/28/25 22:44	1
o-Terphenyl (Surr)	183	S1+	70 - 130	04/24/25 12:59	04/28/25 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		10.1		mg/Kg			04/26/25 03:49	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-57283-10

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00614		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:59	1
Toluene	0.196		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:59	1
Ethylbenzene	0.115		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:59	1
m,p-Xylenes	0.436		0.00398		mg/Kg		04/24/25 11:55	04/25/25 14:59	1
o-Xylene	0.338		0.00199		mg/Kg		04/24/25 11:55	04/25/25 14:59	1
Xylenes, Total	0.774		0.00398		mg/Kg		04/24/25 11:55	04/25/25 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	445	S1+	70 - 130	04/24/25 11:55	04/25/25 14:59	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/24/25 11:55	04/25/25 14:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-57283-10

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.09		0.00398		mg/Kg			04/25/25 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6180		49.8		mg/Kg			04/28/25 23:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	989		49.8		mg/Kg		04/24/25 12:59	04/28/25 23:13	1
Diesel Range Organics (Over C10-C28)	5190		49.8		mg/Kg		04/24/25 12:59	04/28/25 23:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/25 12:59	04/28/25 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130				04/24/25 12:59	04/28/25 23:13	1
o-Terphenyl (Surr)	195	S1+	70 - 130				04/24/25 12:59	04/28/25 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1		10.1		mg/Kg			04/27/25 12:38	1

Client Sample ID: T-2 (5')

Lab Sample ID: 880-57283-11

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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		04/24/25 11:55	04/25/25 16:33	1
Toluene	0.0314		0.00200		mg/Kg		04/24/25 11:55	04/25/25 16:33	1
Ethylbenzene	0.0313		0.00200		mg/Kg		04/24/25 11:55	04/25/25 16:33	1
m,p-Xylenes	0.151		0.00399		mg/Kg		04/24/25 11:55	04/25/25 16:33	1
o-Xylene	0.149		0.00200		mg/Kg		04/24/25 11:55	04/25/25 16:33	1
Xylenes, Total	0.300		0.00399		mg/Kg		04/24/25 11:55	04/25/25 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	295	S1+	70 - 130				04/24/25 11:55	04/25/25 16:33	1
1,4-Difluorobenzene (Surr)	73		70 - 130				04/24/25 11:55	04/25/25 16:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.363		0.00399		mg/Kg			04/25/25 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3120		50.1		mg/Kg			04/28/25 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	287		50.1		mg/Kg		04/24/25 12:59	04/28/25 23:28	1
Diesel Range Organics (Over C10-C28)	2830		50.1		mg/Kg		04/24/25 12:59	04/28/25 23:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (5')
Date Collected: 04/22/25 00:00
Date Received: 04/23/25 14:27

Lab Sample ID: 880-57283-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/25 12:59	04/28/25 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130				04/24/25 12:59	04/28/25 23:28	1
o-Terphenyl (Surr)	155	S1+	70 - 130				04/24/25 12:59	04/28/25 23:28	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		9.96		mg/Kg			04/28/25 08:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-57283-1	T-1 (0-1')	155 S1+	80
880-57283-1 MS	T-1 (0-1')	144 S1+	84
880-57283-1 MSD	T-1 (0-1')	145 S1+	79
880-57283-2	T-1 (1.5')	153 S1+	90
880-57283-3	T-1 (2')	155 S1+	87
880-57283-4	T-1 (3')	150 S1+	87
880-57283-5	T-1 (4')	157 S1+	84
880-57283-6	T-2 (0-1')	316 S1+	113
880-57283-7	T-2 (1.5')	376 S1+	72
880-57283-8	T-2 (2')	304 S1+	122
880-57283-9	T-2 (3')	243 S1+	75
880-57283-10	T-2 (4')	445 S1+	78
880-57283-11	T-2 (5')	295 S1+	73
880-57353-A-1-D MS	Matrix Spike	101	100
880-57353-A-1-E MSD	Matrix Spike Duplicate	102	100
890-8045-A-1-E MS	Matrix Spike	112	101
890-8045-A-1-F MSD	Matrix Spike Duplicate	110	108
LCS 880-108567/1-A	Lab Control Sample	141 S1+	82
LCS 880-108912/1-A	Lab Control Sample	98	99
LCS 880-109037/1-A	Lab Control Sample	109	100
LCSD 880-108567/2-A	Lab Control Sample Dup	149 S1+	87
LCSD 880-108912/2-A	Lab Control Sample Dup	100	100
LCSD 880-109037/2-A	Lab Control Sample Dup	107	100
MB 880-108567/5-B	Method Blank	151 S1+	74
MB 880-108912/5-A	Method Blank	100	94
MB 880-109037/5-A	Method Blank	97	87
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-57281-A-5-C MS	Matrix Spike	115	95
880-57281-A-5-D MSD	Matrix Spike Duplicate	105	91
880-57283-1	T-1 (0-1')	104	94
880-57283-2	T-1 (1.5')	107	112
880-57283-3	T-1 (2')	103	106
880-57283-4	T-1 (3')	103	97
880-57283-5	T-1 (4')	106	102
880-57283-6	T-2 (0-1')	248 S1+	348 S1+
880-57283-7	T-2 (1.5')	253 S1+	335 S1+
880-57283-8	T-2 (2')	157 S1+	202 S1+
880-57283-9	T-2 (3')	155 S1+	183 S1+
880-57283-10	T-2 (4')	154 S1+	195 S1+
880-57283-11	T-2 (5')	126	155 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-57283-1

Project/Site: Honey Graham State Com 5H

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7959-A-37-E MS	Matrix Spike	102	97
890-7959-A-37-F MSD	Matrix Spike Duplicate	102	96
890-7959-A-91-D MS	Matrix Spike	110	104
890-7959-A-91-E MSD	Matrix Spike Duplicate	110	104
LCS 880-108574/2-A	Lab Control Sample	164 S1+	148 S1+
LCS 880-108896/2-A	Lab Control Sample	112	106
LCS 880-108898/2-A	Lab Control Sample	167 S1+	153 S1+
LCSD 880-108574/3-A	Lab Control Sample Dup	166 S1+	149 S1+
LCSD 880-108896/3-A	Lab Control Sample Dup	116	109
LCSD 880-108898/3-A	Lab Control Sample Dup	167 S1+	153 S1+
MB 880-108574/1-A	Method Blank	107	103
MB 880-108896/1-A	Method Blank	104	99
MB 880-108898/1-A	Method Blank	108	104

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108567/5-B

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/24/25 11:55	04/25/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/25 11:55	04/25/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/25 11:55	04/25/25 11:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130	04/24/25 11:55	04/25/25 11:33	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/24/25 11:55	04/25/25 11:33	1

Lab Sample ID: LCS 880-108567/1-A

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1121		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2162		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1168		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-108567/2-A

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108567

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1145		mg/Kg		115	70 - 130	4	35
Toluene	0.100	0.1124		mg/Kg		112	70 - 130	6	35
Ethylbenzene	0.100	0.1193		mg/Kg		119	70 - 130	6	35
m,p-Xylenes	0.200	0.2366		mg/Kg		118	70 - 130	9	35
o-Xylene	0.100	0.1272		mg/Kg		127	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-57283-1 MS

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 108567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.100	0.1030		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-57283-1 MS

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 108567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1102		mg/Kg		110	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2138		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U	0.100	0.1134		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-57283-1 MSD

Matrix: Solid

Analysis Batch: 108642

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 108567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1044		mg/Kg		104	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1078		mg/Kg		108	70 - 130	2	35
m,p-Xylenes	<0.00399	U	0.200	0.2188		mg/Kg		109	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1157		mg/Kg		116	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: MB 880-108912/5-A

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/25 08:33	04/29/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/25 08:33	04/29/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/25 08:33	04/29/25 11:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/29/25 08:33	04/29/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/25 08:33	04/29/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/25 08:33	04/29/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/29/25 08:33	04/29/25 11:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/29/25 08:33	04/29/25 11:28	1

Lab Sample ID: LCS 880-108912/1-A

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09946		mg/Kg		99	70 - 130
Toluene	0.100	0.1043		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2128		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-108912/1-A

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130

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

Lab Sample ID: LCSD 880-108912/2-A

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108912

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09874		mg/Kg		99	70 - 130	1	35
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	1	35
m,p-Xylenes	0.200	0.2094		mg/Kg		105	70 - 130	2	35
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130	1	35

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

Lab Sample ID: 880-57353-A-1-D MS

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08914		mg/Kg		89	70 - 130
Toluene	<0.00200	U	0.100	0.09174		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09069		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00401	U	0.200	0.1810		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.08949		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-57353-A-1-E MSD

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108912

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09236		mg/Kg		92	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09536		mg/Kg		95	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09524		mg/Kg		95	70 - 130	5	35
m,p-Xylenes	<0.00401	U	0.200	0.1907		mg/Kg		95	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09426		mg/Kg		94	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-57353-A-1-E MSD

Matrix: Solid

Analysis Batch: 108909

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108912

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-109037/5-A

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109037

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/25 08:55	04/30/25 11:39	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				04/30/25 08:55	04/30/25 11:39	1	
1,4-Difluorobenzene (Surr)	87		70 - 130				04/30/25 08:55	04/30/25 11:39	1	

Lab Sample ID: LCS 880-109037/1-A

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109037

Analyte	Spike	LCS	LCS					%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.07579		mg/Kg		76	70 - 130			
Toluene	0.100	0.07024		mg/Kg		70	70 - 130			
Ethylbenzene	0.100	0.07758		mg/Kg		78	70 - 130			
m,p-Xylenes	0.200	0.1608		mg/Kg		80	70 - 130			
o-Xylene	0.100	0.08349		mg/Kg		83	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	109		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: LCSD 880-109037/2-A

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109037

Analyte	Spike	LCSD	LCSD					%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07377		mg/Kg		74	70 - 130	3	35	
Toluene	0.100	0.06678	*-	mg/Kg		67	70 - 130	5	35	
Ethylbenzene	0.100	0.07341		mg/Kg		73	70 - 130	6	35	
m,p-Xylenes	0.200	0.1522		mg/Kg		76	70 - 130	6	35	
o-Xylene	0.100	0.08007		mg/Kg		80	70 - 130	4	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	107		70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-109037/2-A

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109037

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

Lab Sample ID: 890-8045-A-1-E MS

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109037

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1005		mg/Kg		101	70 - 130	
Toluene	<0.00200	U *-	0.100	0.09270		mg/Kg		93	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.1023		mg/Kg		102	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.2125		mg/Kg		106	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1081		mg/Kg		108	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-8045-A-1-F MSD

Matrix: Solid

Analysis Batch: 109029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109037

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U	0.100	0.1064		mg/Kg		106	70 - 130	6	35	
Toluene	<0.00200	U *-	0.100	0.09576		mg/Kg		96	70 - 130	3	35	
Ethylbenzene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130	3	35	
m,p-Xylenes	<0.00399	U	0.200	0.2173		mg/Kg		109	70 - 130	2	35	
o-Xylene	<0.00200	U	0.100	0.1108		mg/Kg		111	70 - 130	2	35	

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

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

Lab Sample ID: MB 880-108574/1-A

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108574

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/25 12:59	04/28/25 19:13		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/25 12:59	04/28/25 19:13		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/25 12:59	04/28/25 19:13		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	107		70 - 130	04/24/25 12:59	04/28/25 19:13		1			
o-Terphenyl (Surr)	103		70 - 130	04/24/25 12:59	04/28/25 19:13		1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-108574/2-A

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108574

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1101		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1049		mg/Kg		105	70 - 130		
							</				

Lab Sample ID: LCSD 880-108574/3-A

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108574

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1107		mg/Kg		111	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130	2	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	166	S1+	70 - 130								
o-Terphenyl (Surr)	149	S1+	70 - 130								

Lab Sample ID: 880-57281-A-5-C MS

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108574

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	885.7		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1030		mg/Kg		103	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	115		70 - 130								
o-Terphenyl (Surr)	95		70 - 130								

Lab Sample ID: 880-57281-A-5-D MSD

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108574

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	844.9		mg/Kg		85	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1008		mg/Kg		101	70 - 130	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-57281-A-5-D MSD

Matrix: Solid

Analysis Batch: 108847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108574

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	91		70 - 130

Lab Sample ID: MB 880-108896/1-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108896

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/25 16:45	04/29/25 02:28	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/25 16:45	04/29/25 02:28	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/25 16:45	04/29/25 02:28	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	104		70 - 130				04/28/25 16:45	04/29/25 02:28	1	
<i>o</i> -Terphenyl (Surr)	99		70 - 130				04/28/25 16:45	04/29/25 02:28	1	

Lab Sample ID: LCS 880-108896/2-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108896

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1115		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1021		mg/Kg		102	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	112		70 - 130							
<i>o</i> -Terphenyl (Surr)	106		70 - 130							

Lab Sample ID: LCSD 880-108896/3-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108896

		Spike	LCSD	LCSD				%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	1153		mg/Kg		115	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)		1000	1020		mg/Kg		102	70 - 130	0	20	
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	116		70 - 130								
<i>o</i> -Terphenyl (Surr)	109		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7959-A-37-E MS

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1057		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	924.0		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	97		70 - 130						

Lab Sample ID: 890-7959-A-37-F MSD

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1077		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	935.8		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	102		70 - 130								
o-Terphenyl (Surr)	96		70 - 130								

Lab Sample ID: MB 880-108898/1-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108898

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		04/28/25 16:46	04/29/25 02:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/25 16:46	04/29/25 02:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/25 16:46	04/29/25 02:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				04/28/25 16:46	04/29/25 02:28	1
o-Terphenyl (Surr)	104		70 - 130				04/28/25 16:46	04/29/25 02:28	1

Lab Sample ID: LCS 880-108898/2-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-108898/2-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108898

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	167	S1+	70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

Lab Sample ID: LCSD 880-108898/3-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1103		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	5	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	167	S1+	70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

Lab Sample ID: 890-7959-A-91-D MS

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1065		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1091		mg/Kg		107	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: 890-7959-A-91-E MSD

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1046		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1087		mg/Kg		107	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	104		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108696/1-A

Matrix: Solid

Analysis Batch: 108738

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/26/25 03:32	1

Lab Sample ID: LCS 880-108696/2-A

Matrix: Solid

Analysis Batch: 108738

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.5		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-108696/3-A

Matrix: Solid

Analysis Batch: 108738

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	247.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-57283-9 MS

Matrix: Solid

Analysis Batch: 108738

Client Sample ID: T-2 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	154		252	414.7		mg/Kg		103	90 - 110

Lab Sample ID: 880-57283-9 MSD

Matrix: Solid

Analysis Batch: 108738

Client Sample ID: T-2 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		252	417.1		mg/Kg		104	90 - 110	1	20

Lab Sample ID: MB 880-108694/1-A

Matrix: Solid

Analysis Batch: 108739

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/25/25 19:57	1

Lab Sample ID: LCS 880-108694/2-A

Matrix: Solid

Analysis Batch: 108739

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-108694/3-A

Matrix: Solid

Analysis Batch: 108739

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.1		mg/Kg		98	90 - 110	6	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-57282-A-7-D MS
Matrix: Solid
Analysis Batch: 108739

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	96.3		249	366.7		mg/Kg		109	90 - 110		

Lab Sample ID: 880-57282-A-7-E MSD
Matrix: Solid
Analysis Batch: 108739

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.3		249	356.8		mg/Kg		105	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 108567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	5035	
880-57283-2	T-1 (1.5')	Total/NA	Solid	5035	
880-57283-3	T-1 (2')	Total/NA	Solid	5035	
880-57283-4	T-1 (3')	Total/NA	Solid	5035	
880-57283-5	T-1 (4')	Total/NA	Solid	5035	
880-57283-6	T-2 (0-1')	Total/NA	Solid	5035	
880-57283-7	T-2 (1.5')	Total/NA	Solid	5035	
880-57283-8	T-2 (2')	Total/NA	Solid	5035	
880-57283-9	T-2 (3')	Total/NA	Solid	5035	
880-57283-10	T-2 (4')	Total/NA	Solid	5035	
880-57283-11	T-2 (5')	Total/NA	Solid	5035	
MB 880-108567/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-108567/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108567/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57283-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-57283-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 108642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	8021B	108567
880-57283-2	T-1 (1.5')	Total/NA	Solid	8021B	108567
880-57283-3	T-1 (2')	Total/NA	Solid	8021B	108567
880-57283-4	T-1 (3')	Total/NA	Solid	8021B	108567
880-57283-5	T-1 (4')	Total/NA	Solid	8021B	108567
880-57283-6	T-2 (0-1')	Total/NA	Solid	8021B	108567
880-57283-7	T-2 (1.5')	Total/NA	Solid	8021B	108567
880-57283-8	T-2 (2')	Total/NA	Solid	8021B	108567
880-57283-9	T-2 (3')	Total/NA	Solid	8021B	108567
880-57283-10	T-2 (4')	Total/NA	Solid	8021B	108567
880-57283-11	T-2 (5')	Total/NA	Solid	8021B	108567
MB 880-108567/5-B	Method Blank	Total/NA	Solid	8021B	108567
LCS 880-108567/1-A	Lab Control Sample	Total/NA	Solid	8021B	108567
LCSD 880-108567/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108567
880-57283-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	108567
880-57283-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	108567

Analysis Batch: 108754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-57283-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-57283-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-57283-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-57283-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-57283-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-57283-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-57283-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-57283-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-57283-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-57283-11	T-2 (5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 108909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	8021B	108912
880-57283-7	T-2 (1.5')	Total/NA	Solid	8021B	108912
880-57283-8	T-2 (2')	Total/NA	Solid	8021B	108912
880-57283-9	T-2 (3')	Total/NA	Solid	8021B	108912
MB 880-108912/5-A	Method Blank	Total/NA	Solid	8021B	108912
LCS 880-108912/1-A	Lab Control Sample	Total/NA	Solid	8021B	108912
LCSD 880-108912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108912
880-57353-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	108912
880-57353-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	108912

Prep Batch: 108912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	5035	
880-57283-7	T-2 (1.5')	Total/NA	Solid	5035	
880-57283-8	T-2 (2')	Total/NA	Solid	5035	
880-57283-9	T-2 (3')	Total/NA	Solid	5035	
MB 880-108912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57353-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-57353-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 109029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	8021B	109037
MB 880-109037/5-A	Method Blank	Total/NA	Solid	8021B	109037
LCS 880-109037/1-A	Lab Control Sample	Total/NA	Solid	8021B	109037
LCSD 880-109037/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109037
890-8045-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	109037
890-8045-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	109037

Prep Batch: 109037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	5035	
MB 880-109037/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109037/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109037/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8045-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8045-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 108574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-57283-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-57283-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-57283-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-57283-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-57283-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-57283-9	T-2 (3')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 108574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-57283-11	T-2 (5')	Total/NA	Solid	8015NM Prep	
MB 880-108574/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108574/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108574/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-57281-A-5-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-57281-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	8015B NM	108574
880-57283-2	T-1 (1.5')	Total/NA	Solid	8015B NM	108574
880-57283-3	T-1 (2')	Total/NA	Solid	8015B NM	108574
880-57283-4	T-1 (3')	Total/NA	Solid	8015B NM	108574
880-57283-5	T-1 (4')	Total/NA	Solid	8015B NM	108574
880-57283-8	T-2 (2')	Total/NA	Solid	8015B NM	108574
880-57283-9	T-2 (3')	Total/NA	Solid	8015B NM	108574
880-57283-10	T-2 (4')	Total/NA	Solid	8015B NM	108574
880-57283-11	T-2 (5')	Total/NA	Solid	8015B NM	108574
MB 880-108574/1-A	Method Blank	Total/NA	Solid	8015B NM	108574
LCS 880-108574/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108574
LCSD 880-108574/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108574
880-57281-A-5-C MS	Matrix Spike	Total/NA	Solid	8015B NM	108574
880-57281-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108574

Prep Batch: 108896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-108896/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108896/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7959-A-37-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7959-A-37-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 108898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-108898/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108898/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7959-A-91-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7959-A-91-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-6	T-2 (0-1')	Total/NA	Solid	8015B NM	108896
MB 880-108896/1-A	Method Blank	Total/NA	Solid	8015B NM	108896
LCS 880-108896/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108896
LCSD 880-108896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108896
890-7959-A-37-E MS	Matrix Spike	Total/NA	Solid	8015B NM	108896
890-7959-A-37-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108896

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 108921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-7	T-2 (1.5')	Total/NA	Solid	8015B NM	108898
MB 880-108898/1-A	Method Blank	Total/NA	Solid	8015B NM	108898
LCS 880-108898/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108898
LCSD 880-108898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108898
890-7959-A-91-D MS	Matrix Spike	Total/NA	Solid	8015B NM	108898
890-7959-A-91-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108898

Analysis Batch: 108977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-57283-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-57283-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-57283-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-57283-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-57283-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-57283-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-57283-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-57283-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-57283-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-57283-11	T-2 (5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-57283-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-57283-3	T-1 (2')	Soluble	Solid	DI Leach	
880-57283-4	T-1 (3')	Soluble	Solid	DI Leach	
880-57283-5	T-1 (4')	Soluble	Solid	DI Leach	
880-57283-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-57283-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-57283-8	T-2 (2')	Soluble	Solid	DI Leach	
MB 880-108694/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108694/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108694/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57282-A-7-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-57282-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 108696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-9	T-2 (3')	Soluble	Solid	DI Leach	
880-57283-10	T-2 (4')	Soluble	Solid	DI Leach	
880-57283-11	T-2 (5')	Soluble	Solid	DI Leach	
MB 880-108696/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108696/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108696/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57283-9 MS	T-2 (3')	Soluble	Solid	DI Leach	
880-57283-9 MSD	T-2 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 108738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-9	T-2 (3')	Soluble	Solid	300.0	108696
880-57283-10	T-2 (4')	Soluble	Solid	300.0	108696
880-57283-11	T-2 (5')	Soluble	Solid	300.0	108696
MB 880-108696/1-A	Method Blank	Soluble	Solid	300.0	108696
LCS 880-108696/2-A	Lab Control Sample	Soluble	Solid	300.0	108696
LCSD 880-108696/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108696
880-57283-9 MS	T-2 (3')	Soluble	Solid	300.0	108696
880-57283-9 MSD	T-2 (3')	Soluble	Solid	300.0	108696

Analysis Batch: 108739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57283-1	T-1 (0-1')	Soluble	Solid	300.0	108694
880-57283-2	T-1 (1.5')	Soluble	Solid	300.0	108694
880-57283-3	T-1 (2')	Soluble	Solid	300.0	108694
880-57283-4	T-1 (3')	Soluble	Solid	300.0	108694
880-57283-5	T-1 (4')	Soluble	Solid	300.0	108694
880-57283-6	T-2 (0-1')	Soluble	Solid	300.0	108694
880-57283-7	T-2 (1.5')	Soluble	Solid	300.0	108694
880-57283-8	T-2 (2')	Soluble	Solid	300.0	108694
MB 880-108694/1-A	Method Blank	Soluble	Solid	300.0	108694
LCS 880-108694/2-A	Lab Control Sample	Soluble	Solid	300.0	108694
LCSD 880-108694/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108694
880-57282-A-7-D MS	Matrix Spike	Soluble	Solid	300.0	108694
880-57282-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	108694

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-57283-1

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 20:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	108739	04/25/25 22:02	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-57283-2

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 12:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 20:58	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	108739	04/25/25 22:20	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-57283-3

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 12:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 21:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	108739	04/25/25 22:26	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-57283-4

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 12:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-57283-4

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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			108977	04/28/25 21:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 21:28	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	108739	04/25/25 22:32	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-57283-5

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 13:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 21:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 21:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	108739	04/25/25 22:38	CH	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-57283-6

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	108912	04/29/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	108909	04/29/25 12:51	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 13:37	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	109037	04/30/25 08:55	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	109029	04/30/25 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/30/25 18:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/29/25 15:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108896	04/28/25 16:59	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	108919	04/29/25 15:16	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1			108739	04/25/25 22:44	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-57283-7

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108912	04/29/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	108909	04/29/25 13:12	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-57283-7

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/29/25 13:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/29/25 15:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	108898	04/28/25 17:06	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	108921	04/29/25 15:16	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1			108739	04/25/25 22:50	CH	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-57283-8

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

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	108912	04/29/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	108909	04/29/25 13:32	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/29/25 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 22:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	108694	04/25/25 13:30	SA	EET MID
Soluble	Analysis	300.0		1			108739	04/25/25 22:56	CH	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-57283-9

Date Collected: 04/22/25 00:00

Matrix: Solid

Date Received: 04/23/25 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	108912	04/29/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	108909	04/29/25 13:53	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/29/25 13:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 22:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 22:44	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	108696	04/25/25 13:32	SA	EET MID
Soluble	Analysis	300.0		1			108738	04/26/25 03:49	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')
Date Collected: 04/22/25 00:00
Date Received: 04/23/25 14:27

Lab Sample ID: 880-57283-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 14:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 23:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 23:13	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	108696	04/25/25 13:32	SA	EET MID
Soluble	Analysis	300.0		1			108738	04/27/25 12:38	CH	EET MID

Client Sample ID: T-2 (5')
Date Collected: 04/22/25 00:00
Date Received: 04/23/25 14:27

Lab Sample ID: 880-57283-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	108567	04/24/25 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108642	04/25/25 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108754	04/25/25 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			108977	04/28/25 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108574	04/24/25 12:59	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108847	04/28/25 23:28	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108696	04/25/25 13:32	SA	EET MID
Soluble	Analysis	300.0		1			108738	04/28/25 08:44	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
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	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-57283-1
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: Honey Graham State Com 5H

Job ID: 880-57283-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57283-1	T-1 (0-1')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-2	T-1 (1.5')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-3	T-1 (2')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-4	T-1 (3')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-5	T-1 (4')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-6	T-2 (0-1')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-7	T-2 (1.5')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-8	T-2 (2')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-9	T-2 (3')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-10	T-2 (4')	Solid	04/22/25 00:00	04/23/25 14:27
880-57283-11	T-2 (5')	Solid	04/22/25 00:00	04/23/25 14:27

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Chain of Custody



880-57283 Chain of Custody

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

ANALYSIS REQUEST										Preservative Codes			
Project Name:	Honey Graham State Com 5H	Turn Around	Pres. Code										
Project Number:	2670	Routine	☒	Rush	☐								
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT										
Sampler's Name:	JM												
PO #:													
SAMPLE RECEIPT Received Intact: Yes ☒ No ☐ Temp Blank: Yes ☒ No ☐ Wet Ice: Yes ☐ No ☒ Cooler Custody Seals: Yes ☒ No ☐ Thermometer ID: <i>123</i> Sample Custody Seals: Yes ☒ No ☐ Correction Factor: <i>-0.2</i> Total Containers: <i>-0.2</i>													
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
T-1 (0-1')	4/22/2025		X		G	1			X	X	X	X	
T-1 (1.5')	4/22/2025		X		G	1			X	X	X	X	
T-1 (2')	4/22/2025		X		G	1			X	X	X	X	
T-1 (3')	4/22/2025		X		G	1			X	X	X	X	
T-1 (4')	4/22/2025		X		G	1			X	X	X	X	
T-2 (0-1')	4/22/2025		X		G	1			X	X	X	X	
T-2 (1.5')	4/22/2025		X		G	1			X	X	X	X	
T-2 (2')	4/22/2025		X		G	1			X	X	X	X	
T-2 (3')	4/22/2025		X		G	1			X	X	X	X	
T-2 (4')	4/22/2025		X		G	1			X	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	4/23/25 14:20	<i>[Signature]</i>	4/23/25 14:27

Chain of Custody

Work Order No.:

Page 2 of 2

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

Project 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

[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
<i>Wan-Lan</i>	4/23/25 @ 14:27	<i>[Signature]</i>	24/23/25 14:27

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-57283-1

SDG Number: Eddy County, New Mexico

Login Number: 57283

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



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 3/13/2025 12:29:40 PM

JOB DESCRIPTION

Honey Graham State Com 5H
Eddy County NM

JOB NUMBER

880-55330-1

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
3/13/2025 12:29:40 PM

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

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Laboratory Job ID: 880-55330-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Honey Graham State Com 5H

Job ID: 880-55330-1

Job ID: 880-55330-1

Eurofins Midland

Job Narrative 880-55330-1

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

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

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

Receipt

The samples were received on 3/7/2025 10:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-55330-2), H-4 (0-0.5') (880-55330-4), H-5 (0-0.5') (880-55330-5) and (880-55328-A-4-B). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104849 and analytical batch 880-104871 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-104851 and analytical batch 880-104887 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-4 (0-0.5') (880-55330-4), H-5 (0-0.5') (880-55330-5), (880-55330-A-4-G MS) and (880-55330-A-4-H MSD).

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: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55330-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	03/07/25 12:21	03/09/25 13:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/07/25 12:21	03/09/25 13:52	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			03/09/25 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/12/25 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	03/09/25 21:02	03/12/25 21:52	1
o-Terphenyl	78		70 - 130	03/09/25 21:02	03/12/25 21:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/10/25 15:58	1

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

Lab Sample ID: 880-55330-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 14:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/07/25 12:21	03/09/25 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 14:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/07/25 12:21	03/09/25 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/07/25 12:21	03/09/25 14:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/07/25 12:21	03/09/25 14:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55330-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/09/25 14:13	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			03/12/25 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 22:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 22:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				03/09/25 21:02	03/12/25 22:06	1
o-Terphenyl	66	S1-	70 - 130				03/09/25 21:02	03/12/25 22:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			03/10/25 16:04	1

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

Lab Sample ID: 880-55330-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/07/25 12:21	03/09/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				03/07/25 12:21	03/09/25 14:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/07/25 12:21	03/09/25 14:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/09/25 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/12/25 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 22:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 22:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55330-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/09/25 21:02	03/12/25 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				03/09/25 21:02	03/12/25 22:22	1
o-Terphenyl	71		70 - 130				03/09/25 21:02	03/12/25 22:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		49.6		mg/Kg			03/10/25 16:10	5

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

Lab Sample ID: 880-55330-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/07/25 12:21	03/09/25 14:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/07/25 12:21	03/09/25 14:54	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			03/09/25 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/12/25 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 22:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				03/09/25 21:02	03/12/25 22:36	1
o-Terphenyl	66	S1-	70 - 130				03/09/25 21:02	03/12/25 22:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246	F1	10.1		mg/Kg			03/11/25 17:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55330-5

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/07/25 12:21	03/09/25 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/07/25 12:21	03/09/25 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/07/25 12:21	03/09/25 15:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/07/25 12:21	03/09/25 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/09/25 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/12/25 22:51	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		03/09/25 21:02	03/12/25 22:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 22:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/09/25 21:02	03/12/25 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	03/09/25 21:02	03/12/25 22:51	1
o-Terphenyl	68	S1-	70 - 130	03/09/25 21:02	03/12/25 22:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		50.1		mg/Kg			03/11/25 18:16	5

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Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-55325-A-1-B MS	Matrix Spike	93	106
880-55325-A-1-C MSD	Matrix Spike Duplicate	104	102
880-55330-1	H-1 (0-0.5')	96	98
880-55330-2	H-2 (0-0.5')	100	96
880-55330-3	H-3 (0-0.5')	98	98
880-55330-4	H-4 (0-0.5')	106	97
880-55330-5	H-5 (0-0.5')	100	98
LCS 880-104764/1-A	Lab Control Sample	97	103
LCSD 880-104764/2-A	Lab Control Sample Dup	105	103
MB 880-104764/5-A	Method Blank	91	89
MB 880-104801/5-A	Method Blank	91	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)
880-55328-A-4-D MS	Matrix Spike	94	83
880-55328-A-4-E MSD	Matrix Spike Duplicate	94	83
880-55330-1	H-1 (0-0.5')	88	78
880-55330-2	H-2 (0-0.5')	74	66 S1-
880-55330-3	H-3 (0-0.5')	81	71
880-55330-4	H-4 (0-0.5')	76	66 S1-
880-55330-5	H-5 (0-0.5')	78	68 S1-
LCS 880-104818/2-A	Lab Control Sample	129	115
LCSD 880-104818/3-A	Lab Control Sample Dup	123	109
MB 880-104818/1-A	Method Blank	90	82
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-104764/5-A

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 08:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 08:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 08:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/07/25 12:21	03/09/25 08:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/07/25 12:21	03/09/25 08:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/07/25 12:21	03/09/25 08:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/07/25 12:21	03/09/25 08:11	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/07/25 12:21	03/09/25 08:11	1

Lab Sample ID: LCS 880-104764/1-A

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	0.100	0.1133		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.1964		mg/Kg		98	70 - 130
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-104764/2-A

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104764

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1113		mg/Kg		111	70 - 130	0	35
Toluene	0.100	0.1193		mg/Kg		119	70 - 130	5	35
Ethylbenzene	0.100	0.1134		mg/Kg		113	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2012		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-55325-A-1-B MS

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130
Toluene	<0.00200	U	0.100	0.1041		mg/Kg		104	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55325-A-1-B MS

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09236		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1610		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.08366		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-55325-A-1-C MSD

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 104764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1048		mg/Kg		105	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1092		mg/Kg		109	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.1003		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1798		mg/Kg		90	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09123		mg/Kg		91	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-104801/5-A

Matrix: Solid

Analysis Batch: 104646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/25 10:49	03/08/25 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/25 10:49	03/08/25 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/25 10:49	03/08/25 20:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/25 10:49	03/08/25 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/25 10:49	03/08/25 20:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/25 10:49	03/08/25 20:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/08/25 10:49	03/08/25 20:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/08/25 10:49	03/08/25 20:11	1

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

Lab Sample ID: MB 880-104818/1-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104818

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		03/09/25 21:02	03/12/25 19:25	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-104818/1-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 104818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 19:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/09/25 21:02	03/12/25 19:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/09/25 21:02	03/12/25 19:25	1
o-Terphenyl	82		70 - 130				03/09/25 21:02	03/12/25 19:25	1

Lab Sample ID: LCS 880-104818/2-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1157		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCSD 880-104818/3-A

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-55328-A-4-D MS

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	994	785.3		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	66.9		994	829.6		mg/Kg		77	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	83		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55328-A-4-E MSD

Matrix: Solid

Analysis Batch: 105107

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 104818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	994	771.1		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	66.9		994	843.0		mg/Kg		78	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-104849/1-A

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/10/25 13:14	1

Lab Sample ID: LCS 880-104849/2-A

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.3		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-104849/3-A

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.7		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-55275-A-11-D MS

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2550	F1	1240	4487	F1	mg/Kg		156	90 - 110

Lab Sample ID: 880-55275-A-11-E MSD

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2550	F1	1240	4488	F1	mg/Kg		156	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-55275-A-21-C MS

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3680	F1	2490	7213	F1	mg/Kg		142	90 - 110

Lab Sample ID: 880-55275-A-21-D MSD

Matrix: Solid

Analysis Batch: 104871

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3680	F1	2490	7219	F1	mg/Kg		143	90 - 110	0	20

Lab Sample ID: MB 880-104851/1-A

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/11/25 17:41	1

Lab Sample ID: LCS 880-104851/2-A

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-104851/3-A

Matrix: Solid

Analysis Batch: 104887

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	262.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-55330-4 MS

Matrix: Solid

Analysis Batch: 104887

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	246	F1	252	541.2	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-55330-4 MSD

Matrix: Solid

Analysis Batch: 104887

Client Sample ID: H-4 (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	246	F1	252	540.4	F1	mg/Kg		117	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 104646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	8021B	104764
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	8021B	104764
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	8021B	104764
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	8021B	104764
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	8021B	104764
MB 880-104764/5-A	Method Blank	Total/NA	Solid	8021B	104764
MB 880-104801/5-A	Method Blank	Total/NA	Solid	8021B	104801
LCS 880-104764/1-A	Lab Control Sample	Total/NA	Solid	8021B	104764
LCSD 880-104764/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	104764
880-55325-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	104764
880-55325-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	104764

Prep Batch: 104764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-104764/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-104764/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-104764/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-55325-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-55325-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 104801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-104801/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 104900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 104818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-104818/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-104818/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-104818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-55328-A-4-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-55328-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 105107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	104818
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	104818
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	104818
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	104818
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	104818
MB 880-104818/1-A	Method Blank	Total/NA	Solid	8015B NM	104818
LCS 880-104818/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	104818
LCSD 880-104818/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	104818
880-55328-A-4-D MS	Matrix Spike	Total/NA	Solid	8015B NM	104818
880-55328-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	104818

Analysis Batch: 105230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-55330-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-55330-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-55330-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-55330-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 104849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-55330-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-55330-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-104849/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104849/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104849/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55275-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-55275-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-55275-A-21-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-55275-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 104851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-55330-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-104851/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-55330-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-55330-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 104871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-1	H-1 (0-0.5')	Soluble	Solid	300.0	104849
880-55330-2	H-2 (0-0.5')	Soluble	Solid	300.0	104849
880-55330-3	H-3 (0-0.5')	Soluble	Solid	300.0	104849
MB 880-104849/1-A	Method Blank	Soluble	Solid	300.0	104849
LCS 880-104849/2-A	Lab Control Sample	Soluble	Solid	300.0	104849

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 104871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-104849/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104849
880-55275-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	104849
880-55275-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	104849
880-55275-A-21-C MS	Matrix Spike	Soluble	Solid	300.0	104849
880-55275-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	104849

Analysis Batch: 104887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-55330-4	H-4 (0-0.5')	Soluble	Solid	300.0	104851
880-55330-5	H-5 (0-0.5')	Soluble	Solid	300.0	104851
MB 880-104851/1-A	Method Blank	Soluble	Solid	300.0	104851
LCS 880-104851/2-A	Lab Control Sample	Soluble	Solid	300.0	104851
LCSD 880-104851/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	104851
880-55330-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	104851
880-55330-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	104851

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Lab Sample ID: 880-55330-1

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	104764	03/07/25 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104646	03/09/25 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104900	03/09/25 13:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105230	03/12/25 21:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 21:52	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104849	03/10/25 09:24	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104871	03/10/25 15:58	CH	EET MID

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

Lab Sample ID: 880-55330-2

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	104764	03/07/25 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104646	03/09/25 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104900	03/09/25 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105230	03/12/25 22:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 22:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	104849	03/10/25 09:24	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104871	03/10/25 16:04	CH	EET MID

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

Lab Sample ID: 880-55330-3

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	104764	03/07/25 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104646	03/09/25 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104900	03/09/25 14:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105230	03/12/25 22:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 22:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	104849	03/10/25 09:24	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104871	03/10/25 16:10	CH	EET MID

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

Lab Sample ID: 880-55330-4

Date Collected: 03/06/25 00:00

Matrix: Solid

Date Received: 03/07/25 10:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	104764	03/07/25 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104646	03/09/25 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104900	03/09/25 14:54	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55330-4
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			105230	03/12/25 22:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 22:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	104887	03/11/25 17:59	SMC	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 03/06/25 00:00
Date Received: 03/07/25 10:21

Lab Sample ID: 880-55330-5
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	104764	03/07/25 12:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	104646	03/09/25 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104900	03/09/25 15:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105230	03/12/25 22:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	104818	03/09/25 21:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105107	03/12/25 22:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	104851	03/10/25 09:30	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	104887	03/11/25 18:16	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: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-55330-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-55330-1	H-1 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55330-2	H-2 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55330-3	H-3 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55330-4	H-4 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21
880-55330-5	H-5 (0-0.5')	Solid	03/06/25 00:00	03/07/25 10:21

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Chain of Custody

W



880-55330 Chain of Custody

Page 1 of 1

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	☐ PRP ☐ Brownfields ☐ RC ☐ Spentfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADAPT ☐ Other:

Project Name:		Honey Graham State Com 5H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2670	☒ Routine	☐ Rush													None: NO	DI Water: H ₂ O		
Project Location	Eddy County, New Mexico		Due Date:													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 / No	Wet Ice:	Yes / No	Parameters										H ₃ PO ₄ : HP		
Received Intact:	Yes / No	Thermometer ID:											NaHSO ₄ : NABIS						
Cooler Custody Seals:	Yes / No	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes / No	Temperature Reading:											Zn Acetate+NaOH: Zn						
Total Containers:	5	Corrected Temperature:	-1.1											NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
H-1 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-2 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-3 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-4 (0-0.5')		3/6/2025		X		G	1	X	X	X									
H-5 (0-0.5')		3/6/2025		X		G	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/7/25 10:21		3/7/25 10:24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-55330-1

SDG Number: Eddy County NM

Login Number: 55330

List Number: 1

Creator: Kramer, Jessica

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.	True	
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 8/12/2025 10:31:12 AM

JOB DESCRIPTION

Honey Graham State Com 5H
Eddy County, New Mexico

JOB NUMBER

880-61317-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/12/2025 10:31:12 AM

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

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Laboratory Job ID: 880-61317-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Honey Graham State Com 5H

Job ID: 880-61317-1

Job ID: 880-61317-1

Eurofins Midland

Job Narrative 880-61317-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/11/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.7°C.

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-116314 recovered under the lower control limit for o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.
(CCV 880-116314/51)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116360 and analytical batch 880-116314 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (3') (880-61317-5), SW-2 (3') (880-61317-6), SW-3 (3') (880-61317-7), SW-4 (6') (880-61317-8), SW-5 (6') (880-61317-9), SW-6 (6') (880-61317-10), SW-7 (6') (880-61317-11) and SW-8 (3') (880-61317-12). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-61317-1

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:45	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/11/25 11:54	08/12/25 00:45	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/25 11:54	08/12/25 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/11/25 11:54	08/12/25 00:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/11/25 11:54	08/12/25 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/12/25 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/11/25 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	08/11/25 11:24	08/11/25 14:53	1
o-Terphenyl (Surr)	107		70 - 130	08/11/25 11:24	08/11/25 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/11/25 19:32	1

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-61317-2

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 01:06	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 01:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/11/25 11:54	08/12/25 01:06	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/11/25 11:54	08/12/25 01:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-61317-2

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				08/11/25 11:24	08/11/25 15:09	1
o-Terphenyl (Surr)	106		70 - 130				08/11/25 11:24	08/11/25 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 19:37	1

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-61317-3

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 11:54	08/12/25 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/11/25 11:54	08/12/25 01:26	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/11/25 11:54	08/12/25 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/12/25 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/11/25 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 15:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 15:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-61317-3

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				08/11/25 11:24	08/11/25 15:25	1
o-Terphenyl (Surr)	104		70 - 130				08/11/25 11:24	08/11/25 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/11/25 19:43	1

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61317-4

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 11:54	08/12/25 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/11/25 11:54	08/12/25 01:47	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/11/25 11:54	08/12/25 01:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/11/25 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/11/25 11:24	08/11/25 15:40	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/11/25 11:24	08/11/25 15:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/11/25 11:24	08/11/25 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				08/11/25 11:24	08/11/25 15:40	1
o-Terphenyl (Surr)	106		70 - 130				08/11/25 11:24	08/11/25 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/11/25 20:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-61317-5

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 11:54	08/12/25 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/11/25 11:54	08/12/25 02:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/25 11:54	08/12/25 02:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/12/25 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/11/25 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 11:24	08/11/25 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130				08/11/25 11:24	08/11/25 15:56	1
o-Terphenyl (Surr)	68	S1-	70 - 130				08/11/25 11:24	08/11/25 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 20:06	1

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-61317-6

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/11/25 11:54	08/12/25 02:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/11/25 11:54	08/12/25 02:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-61317-6

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130				08/11/25 11:24	08/11/25 16:13	1
o-Terphenyl (Surr)	66	S1-	70 - 130				08/11/25 11:24	08/11/25 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 20:23	1

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61317-7

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 11:54	08/12/25 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/11/25 11:54	08/12/25 02:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/25 11:54	08/12/25 02:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/12/25 02:48	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			08/11/25 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 11:24	08/11/25 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 11:24	08/11/25 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61317-7

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 11:24	08/11/25 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130				08/11/25 11:24	08/11/25 16:28	1
o-Terphenyl (Surr)	67	S1-	70 - 130				08/11/25 11:24	08/11/25 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/11/25 20:28	1

Client Sample ID: SW-4 (6')

Lab Sample ID: 880-61317-8

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 11:54	08/12/25 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/11/25 11:54	08/12/25 03:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/11/25 11:54	08/12/25 03:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130				08/11/25 11:24	08/11/25 16:44	1
o-Terphenyl (Surr)	66	S1-	70 - 130				08/11/25 11:24	08/11/25 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 20:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (6')

Lab Sample ID: 880-61317-9

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 03:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 03:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 03:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 11:54	08/12/25 03:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 03:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 11:54	08/12/25 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/11/25 11:54	08/12/25 03:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/11/25 11:54	08/12/25 03:29	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			08/12/25 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/11/25 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130	08/11/25 11:24	08/11/25 17:16	1
o-Terphenyl (Surr)	68	S1-	70 - 130	08/11/25 11:24	08/11/25 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/11/25 20:40	1

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-61317-10

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 03:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 03:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 03:50	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/11/25 11:54	08/12/25 03:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 03:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/11/25 11:54	08/12/25 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/11/25 11:54	08/12/25 03:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/11/25 11:54	08/12/25 03:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-61317-10

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/12/25 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/11/25 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/11/25 11:24	08/11/25 17:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/11/25 11:24	08/11/25 17:32	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/11/25 11:24	08/11/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130				08/11/25 11:24	08/11/25 17:32	1
o-Terphenyl (Surr)	68	S1-	70 - 130				08/11/25 11:24	08/11/25 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/11/25 20:45	1

Client Sample ID: SW-7 (6')

Lab Sample ID: 880-61317-11

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 11:54	08/12/25 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/11/25 11:54	08/12/25 05:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/25 11:54	08/12/25 05:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/12/25 05:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/11/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (6')

Lab Sample ID: 880-61317-11

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/11/25 11:24	08/11/25 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130				08/11/25 11:24	08/11/25 17:48	1
o-Terphenyl (Surr)	67	S1-	70 - 130				08/11/25 11:24	08/11/25 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 20:51	1

Client Sample ID: SW-8 (3')

Lab Sample ID: 880-61317-12

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 11:54	08/12/25 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/11/25 11:54	08/12/25 05:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/11/25 11:54	08/12/25 05:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/12/25 05:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/25 18:03	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		08/11/25 11:24	08/11/25 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 18:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:24	08/11/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130				08/11/25 11:24	08/11/25 18:03	1
o-Terphenyl (Surr)	67	S1-	70 - 130				08/11/25 11:24	08/11/25 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/11/25 20:57	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
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)
880-60970-A-24-A MB	Method Blank	107	94
880-61317-1	CS-1 (6')	111	97
880-61317-1 MS	CS-1 (6')	105	98
880-61317-1 MSD	CS-1 (6')	104	99
880-61317-2	CS-2 (6')	103	95
880-61317-3	CS-3 (6')	106	96
880-61317-4	CS-4 (3')	110	94
880-61317-5	SW-1 (3')	107	95
880-61317-6	SW-2 (3')	101	96
880-61317-7	SW-3 (3')	103	95
880-61317-8	SW-4 (6')	108	94
880-61317-9	SW-5 (6')	105	99
880-61317-10	SW-6 (6')	106	95
880-61317-11	SW-7 (6')	109	95
880-61317-12	SW-8 (3')	109	94
LCS 880-116360/1-A	Lab Control Sample	99	99
LCSD 880-116360/2-A	Lab Control Sample Dup	99	100
MB 880-116360/5-A	Method Blank	102	94
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)
880-61315-A-1-C MS	Matrix Spike	99	107
880-61315-A-1-D MSD	Matrix Spike Duplicate	99	107
880-61317-1	CS-1 (6')	106	107
880-61317-2	CS-2 (6')	108	106
880-61317-3	CS-3 (6')	105	104
880-61317-4	CS-4 (3')	105	106
880-61317-5	SW-1 (3')	72	68 S1-
880-61317-6	SW-2 (3')	71	66 S1-
880-61317-7	SW-3 (3')	71	67 S1-
880-61317-8	SW-4 (6')	71	66 S1-
880-61317-9	SW-5 (6')	72	68 S1-
880-61317-10	SW-6 (6')	72	68 S1-
880-61317-11	SW-7 (6')	72	67 S1-
880-61317-12	SW-8 (3')	72	67 S1-
LCS 880-116343/2-A	Lab Control Sample	102	112
LCSD 880-116343/3-A	Lab Control Sample Dup	101	112
MB 880-116343/1-A	Method Blank	110	110
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-60970-A-24-A MB

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/25 17:00	08/11/25 20:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/25 17:00	08/11/25 20:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/25 17:00	08/11/25 20:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/08/25 17:00	08/11/25 20:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/25 17:00	08/11/25 20:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/25 17:00	08/11/25 20:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/08/25 17:00	08/11/25 20:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/08/25 17:00	08/11/25 20:48	1

Lab Sample ID: MB 880-116360/5-A

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:24	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 11:54	08/12/25 00:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:54	08/12/25 00:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 11:54	08/12/25 00:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/11/25 11:54	08/12/25 00:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/11/25 11:54	08/12/25 00:24	1

Lab Sample ID: LCS 880-116360/1-A

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08633		mg/Kg		86	70 - 130
Toluene	0.100	0.08328		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08660		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	0.100	0.07216		mg/Kg		72	70 - 130

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

Lab Sample ID: LCSD 880-116360/2-A

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08937		mg/Kg		89	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-116360/2-A

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08588		mg/Kg		86	70 - 130	3	35
Ethylbenzene	0.100	0.08893		mg/Kg		89	70 - 130	3	35
m,p-Xylenes	0.200	0.1760		mg/Kg		88	70 - 130	2	35
o-Xylene	0.100	0.07318		mg/Kg		73	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-61317-1 MS

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 116360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08232		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.100	0.07940		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08388		mg/Kg		84	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1675		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06897	F1	mg/Kg		69	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-61317-1 MSD

Matrix: Solid

Analysis Batch: 116314

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 116360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07334		mg/Kg		73	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.07038		mg/Kg		70	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.07499		mg/Kg		75	70 - 130	11	35
m,p-Xylenes	<0.00399	U	0.200	0.1487		mg/Kg		74	70 - 130	12	35
o-Xylene	<0.00200	U F1	0.100	0.06184	F1	mg/Kg		62	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-116343/1-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116343/1-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116343

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	110		70 - 130				08/11/25 11:23	08/11/25 09:30	1
o-Terphenyl (Surr)	110		70 - 130				08/11/25 11:23	08/11/25 09:30	1

Lab Sample ID: LCS 880-116343/2-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	955.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	964.4		mg/Kg		96	70 - 130
Surrogate	LCS	LCS	Limits				
1-Chlorooctane (Surr)	102		70 - 130				
o-Terphenyl (Surr)	112		70 - 130				

Lab Sample ID: LCSD 880-116343/3-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	980.1		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	996.8		mg/Kg		100	70 - 130	3	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane (Surr)	101		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Lab Sample ID: 880-61315-A-1-C MS

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	913.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	995	901.5		mg/Kg		91	70 - 130
Surrogate	MS	MS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	99		70 - 130						
o-Terphenyl (Surr)	107		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61315-A-1-D MSD

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116343

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	<50.1	U	995	962.7		mg/Kg		97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U	995	932.9		mg/Kg		94	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	99		70 - 130								
o-Terphenyl (Surr)	107		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116339/1-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/11/25 18:07	1

Lab Sample ID: LCS 880-116339/2-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-116339/3-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-61317-3 MS

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: CS-3 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	235.7		mg/Kg		92	90 - 110

Lab Sample ID: 880-61317-3 MSD

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: CS-3 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	236.0		mg/Kg		93	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 116280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60970-A-24-A MB	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	8021B	116360
880-61317-2	CS-2 (6')	Total/NA	Solid	8021B	116360
880-61317-3	CS-3 (6')	Total/NA	Solid	8021B	116360
880-61317-4	CS-4 (3')	Total/NA	Solid	8021B	116360
880-61317-5	SW-1 (3')	Total/NA	Solid	8021B	116360
880-61317-6	SW-2 (3')	Total/NA	Solid	8021B	116360
880-61317-7	SW-3 (3')	Total/NA	Solid	8021B	116360
880-61317-8	SW-4 (6')	Total/NA	Solid	8021B	116360
880-61317-9	SW-5 (6')	Total/NA	Solid	8021B	116360
880-61317-10	SW-6 (6')	Total/NA	Solid	8021B	116360
880-61317-11	SW-7 (6')	Total/NA	Solid	8021B	116360
880-61317-12	SW-8 (3')	Total/NA	Solid	8021B	116360
880-60970-A-24-A MB	Method Blank	Total/NA	Solid	8021B	116280
MB 880-116360/5-A	Method Blank	Total/NA	Solid	8021B	116360
LCS 880-116360/1-A	Lab Control Sample	Total/NA	Solid	8021B	116360
LCSD 880-116360/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116360
880-61317-1 MS	CS-1 (6')	Total/NA	Solid	8021B	116360
880-61317-1 MSD	CS-1 (6')	Total/NA	Solid	8021B	116360

Prep Batch: 116360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	5035	
880-61317-2	CS-2 (6')	Total/NA	Solid	5035	
880-61317-3	CS-3 (6')	Total/NA	Solid	5035	
880-61317-4	CS-4 (3')	Total/NA	Solid	5035	
880-61317-5	SW-1 (3')	Total/NA	Solid	5035	
880-61317-6	SW-2 (3')	Total/NA	Solid	5035	
880-61317-7	SW-3 (3')	Total/NA	Solid	5035	
880-61317-8	SW-4 (6')	Total/NA	Solid	5035	
880-61317-9	SW-5 (6')	Total/NA	Solid	5035	
880-61317-10	SW-6 (6')	Total/NA	Solid	5035	
880-61317-11	SW-7 (6')	Total/NA	Solid	5035	
880-61317-12	SW-8 (3')	Total/NA	Solid	5035	
MB 880-116360/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116360/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116360/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61317-1 MS	CS-1 (6')	Total/NA	Solid	5035	
880-61317-1 MSD	CS-1 (6')	Total/NA	Solid	5035	

Analysis Batch: 116458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	Total BTEX	
880-61317-2	CS-2 (6')	Total/NA	Solid	Total BTEX	
880-61317-3	CS-3 (6')	Total/NA	Solid	Total BTEX	
880-61317-4	CS-4 (3')	Total/NA	Solid	Total BTEX	
880-61317-5	SW-1 (3')	Total/NA	Solid	Total BTEX	
880-61317-6	SW-2 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 116458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-7	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-61317-8	SW-4 (6')	Total/NA	Solid	Total BTEX	
880-61317-9	SW-5 (6')	Total/NA	Solid	Total BTEX	
880-61317-10	SW-6 (6')	Total/NA	Solid	Total BTEX	
880-61317-11	SW-7 (6')	Total/NA	Solid	Total BTEX	
880-61317-12	SW-8 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	8015NM Prep	
880-61317-2	CS-2 (6')	Total/NA	Solid	8015NM Prep	
880-61317-3	CS-3 (6')	Total/NA	Solid	8015NM Prep	
880-61317-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	
880-61317-5	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-61317-6	SW-2 (3')	Total/NA	Solid	8015NM Prep	
880-61317-7	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-61317-8	SW-4 (6')	Total/NA	Solid	8015NM Prep	
880-61317-9	SW-5 (6')	Total/NA	Solid	8015NM Prep	
880-61317-10	SW-6 (6')	Total/NA	Solid	8015NM Prep	
880-61317-11	SW-7 (6')	Total/NA	Solid	8015NM Prep	
880-61317-12	SW-8 (3')	Total/NA	Solid	8015NM Prep	
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61315-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61315-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	8015B NM	116343
880-61317-2	CS-2 (6')	Total/NA	Solid	8015B NM	116343
880-61317-3	CS-3 (6')	Total/NA	Solid	8015B NM	116343
880-61317-4	CS-4 (3')	Total/NA	Solid	8015B NM	116343
880-61317-5	SW-1 (3')	Total/NA	Solid	8015B NM	116343
880-61317-6	SW-2 (3')	Total/NA	Solid	8015B NM	116343
880-61317-7	SW-3 (3')	Total/NA	Solid	8015B NM	116343
880-61317-8	SW-4 (6')	Total/NA	Solid	8015B NM	116343
880-61317-9	SW-5 (6')	Total/NA	Solid	8015B NM	116343
880-61317-10	SW-6 (6')	Total/NA	Solid	8015B NM	116343
880-61317-11	SW-7 (6')	Total/NA	Solid	8015B NM	116343
880-61317-12	SW-8 (3')	Total/NA	Solid	8015B NM	116343
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015B NM	116343
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116343
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116343
880-61315-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	116343
880-61315-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116343

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 116463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Total/NA	Solid	8015 NM	
880-61317-2	CS-2 (6')	Total/NA	Solid	8015 NM	
880-61317-3	CS-3 (6')	Total/NA	Solid	8015 NM	
880-61317-4	CS-4 (3')	Total/NA	Solid	8015 NM	
880-61317-5	SW-1 (3')	Total/NA	Solid	8015 NM	
880-61317-6	SW-2 (3')	Total/NA	Solid	8015 NM	
880-61317-7	SW-3 (3')	Total/NA	Solid	8015 NM	
880-61317-8	SW-4 (6')	Total/NA	Solid	8015 NM	
880-61317-9	SW-5 (6')	Total/NA	Solid	8015 NM	
880-61317-10	SW-6 (6')	Total/NA	Solid	8015 NM	
880-61317-11	SW-7 (6')	Total/NA	Solid	8015 NM	
880-61317-12	SW-8 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Soluble	Solid	DI Leach	
880-61317-2	CS-2 (6')	Soluble	Solid	DI Leach	
880-61317-3	CS-3 (6')	Soluble	Solid	DI Leach	
880-61317-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-61317-5	SW-1 (3')	Soluble	Solid	DI Leach	
880-61317-6	SW-2 (3')	Soluble	Solid	DI Leach	
880-61317-7	SW-3 (3')	Soluble	Solid	DI Leach	
880-61317-8	SW-4 (6')	Soluble	Solid	DI Leach	
880-61317-9	SW-5 (6')	Soluble	Solid	DI Leach	
880-61317-10	SW-6 (6')	Soluble	Solid	DI Leach	
880-61317-11	SW-7 (6')	Soluble	Solid	DI Leach	
880-61317-12	SW-8 (3')	Soluble	Solid	DI Leach	
MB 880-116339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61317-3 MS	CS-3 (6')	Soluble	Solid	DI Leach	
880-61317-3 MSD	CS-3 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 116345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61317-1	CS-1 (6')	Soluble	Solid	300.0	116339
880-61317-2	CS-2 (6')	Soluble	Solid	300.0	116339
880-61317-3	CS-3 (6')	Soluble	Solid	300.0	116339
880-61317-4	CS-4 (3')	Soluble	Solid	300.0	116339
880-61317-5	SW-1 (3')	Soluble	Solid	300.0	116339
880-61317-6	SW-2 (3')	Soluble	Solid	300.0	116339
880-61317-7	SW-3 (3')	Soluble	Solid	300.0	116339
880-61317-8	SW-4 (6')	Soluble	Solid	300.0	116339
880-61317-9	SW-5 (6')	Soluble	Solid	300.0	116339
880-61317-10	SW-6 (6')	Soluble	Solid	300.0	116339
880-61317-11	SW-7 (6')	Soluble	Solid	300.0	116339
880-61317-12	SW-8 (3')	Soluble	Solid	300.0	116339
MB 880-116339/1-A	Method Blank	Soluble	Solid	300.0	116339
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	300.0	116339

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 116345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116339
880-61317-3 MS	CS-3 (6')	Soluble	Solid	300.0	116339
880-61317-3 MSD	CS-3 (6')	Soluble	Solid	300.0	116339

- 1
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- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-61317-1

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 00:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 14:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 19:32	CS	EET MID

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-61317-2

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 01:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 15:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 15:09	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 19:37	CS	EET MID

Client Sample ID: CS-3 (6')

Lab Sample ID: 880-61317-3

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 01:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 15:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 15:25	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 19:43	CS	EET MID

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61317-4

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 01:47	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-61317-4

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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			116463	08/11/25 15:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:00	CS	EET MID

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-61317-5

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 02:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 15:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 15:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:06	CS	EET MID

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-61317-6

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 02:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 16:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 16:13	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:23	CS	EET MID

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61317-7

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 02:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 16:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 16:28	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-61317-7

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:28	CS	EET MID

Client Sample ID: SW-4 (6')

Lab Sample ID: 880-61317-8

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 03:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 16:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 16:44	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:34	CS	EET MID

Client Sample ID: SW-5 (6')

Lab Sample ID: 880-61317-9

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 03:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 17:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 17:16	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:40	CS	EET MID

Client Sample ID: SW-6 (6')

Lab Sample ID: 880-61317-10

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 03:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 17:32	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 17:32	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:45	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (6')
Date Collected: 08/07/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61317-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 05:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 17:48	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:51	CS	EET MID

Client Sample ID: SW-8 (3')
Date Collected: 08/07/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61317-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116360	08/11/25 11:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116314	08/12/25 05:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116458	08/12/25 05:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			116463	08/11/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 20:57	CS	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: Honey Graham State Com 5H

Job ID: 880-61317-1
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	06-30-26
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: Honey Graham State Com 5H

Job ID: 880-61317-1
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: Honey Graham State Com 5H

Job ID: 880-61317-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61317-1	CS-1 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-2	CS-2 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-3	CS-3 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-4	CS-4 (3')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-5	SW-1 (3')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-6	SW-2 (3')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-7	SW-3 (3')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-8	SW-4 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-9	SW-5 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-10	SW-6 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-11	SW-7 (6')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico
880-61317-12	SW-8 (3')	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico

Chain of Custody



880-61317 Chain of Custody

Page 1 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Reporting: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADaPT ☐ Other:

Project Manager: **Conner Moehring**

Company Name: **Carmona Resources**

Address: **310 W Wall St Ste 500**

City, State ZIP: **Midland, TX 79701**

Phone: **432-813-6823**

Bill to: (if different)

Company Name:

Address:

City, State ZIP:

Email: **mcarmona@carmonaresources.com**

Project Name: Honey Graham State Com 5H		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:	2670	☐ Routine	☒ Rush	Due Date:	24hr	Parameters	Pres. Code	None: NO	DI Water: H ₂ O
Project Location	Eddy County, New Mexico							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 ☒ No		Wet Ice: ☒ Yes ☒ No				H ₃ PO ₄ : HP	
Received Intact: ☒ Yes ☒ No		Thermometer ID: ☒ Yes ☒ No		Correction Factor: ☒ Yes ☒ No				NaHSO ₄ : NABIS	
Cooler Custody Seals: ☒ Yes ☒ No		Temperature Reading: ☒ Yes ☒ No		Corrected Temperature: ☒ Yes ☒ No				Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:								Zn Acetate+NaOH: Zn	
								NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS-1 (6')	8/7/2025		X		C	1
CS-2 (6')	8/7/2025		X		C	1
CS-3 (6')	8/7/2025		X		C	1
CS-4 (3')	8/7/2025		X		C	1
SW-1 (3')	8/7/2025		X		C	1
SW-2 (3')	8/7/2025		X		C	1
SW-3 (3')	8/7/2025		X		C	1
SW-4 (6')	8/7/2025		X		C	1
SW-5 (6')	8/7/2025		X		C	1
SW-6 (6')	8/7/2025		X		C	1

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/11/25 1030		8/11/25 1030

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61317-1

SDG Number: Eddy County, New Mexico

Login Number: 61317

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/12/2025 10:30:21 AM

JOB DESCRIPTION

Honey Graham State Com 5H
Eddy County, New Mexico

JOB NUMBER

880-61316-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

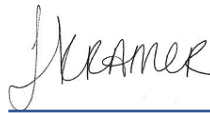
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/12/2025 10:30:21 AM

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

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Laboratory Job ID: 880-61316-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
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: Honey Graham State Com 5H

Job ID: 880-61316-1

Job ID: 880-61316-1

Eurofins Midland

Job Narrative 880-61316-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 8/11/2025 10:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.7°C.

GC VOA

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

Diesel Range Organics

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: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

Client Sample ID: backfill

Lab Sample ID: 880-61316-1

Date Collected: 08/07/25 00:00

Matrix: Solid

Date Received: 08/11/25 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:39	08/12/25 05:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:39	08/12/25 05:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:39	08/12/25 05:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 11:39	08/12/25 05:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 11:39	08/12/25 05:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 11:39	08/12/25 05:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/11/25 11:39	08/12/25 05:19	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/11/25 11:39	08/12/25 05:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/12/25 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/11/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/11/25 11:24	08/11/25 14:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/11/25 11:24	08/11/25 14:37	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/11/25 11:24	08/11/25 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	08/11/25 11:24	08/11/25 14:37	1
o-Terphenyl (Surr)	100		70 - 130	08/11/25 11:24	08/11/25 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			08/11/25 19:26	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
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)
880-61316-1	backfill	110	86
880-61318-A-1-C MS	Matrix Spike	110	95
880-61318-A-1-D MSD	Matrix Spike Duplicate	117	92
LCS 880-116346/1-A	Lab Control Sample	115	92
LCSD 880-116346/2-A	Lab Control Sample Dup	115	96
MB 880-116320/5-A	Method Blank	113	82
MB 880-116346/5-A	Method Blank	108	88
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)
880-61315-A-1-C MS	Matrix Spike	99	107
880-61315-A-1-D MSD	Matrix Spike Duplicate	99	107
880-61316-1	backfill	102	100
LCS 880-116343/2-A	Lab Control Sample	102	112
LCSD 880-116343/3-A	Lab Control Sample Dup	101	112
MB 880-116343/1-A	Method Blank	110	110
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116320/5-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 09:15	08/11/25 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 09:15	08/11/25 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/11/25 09:15	08/11/25 11:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/11/25 09:15	08/11/25 11:39	1

Lab Sample ID: MB 880-116346/5-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 11:39	08/11/25 22:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 11:39	08/11/25 22:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/11/25 11:39	08/11/25 22:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/11/25 11:39	08/11/25 22:37	1

Lab Sample ID: LCS 880-116346/1-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1058		mg/Kg		106	70 - 130
Toluene	0.100	0.09668		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m,p-Xylenes	0.200	0.2127		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-116346/2-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-116346/2-A

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.09885		mg/Kg		99	70 - 130		2	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130		3	35
m,p-Xylenes	0.200	0.2202		mg/Kg		110	70 - 130		3	35
o-Xylene	0.100	0.1109		mg/Kg		111	70 - 130		4	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-61318-A-1-C MS

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00200	U	0.100	0.09576		mg/Kg		96	70 - 130	
Toluene	<0.00200	U	0.100	0.08498		mg/Kg		85	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.09536		mg/Kg		95	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.1838		mg/Kg		92	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09141		mg/Kg		91	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-61318-A-1-D MSD

Matrix: Solid

Analysis Batch: 116315

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00200	U	0.100	0.08732		mg/Kg		87	70 - 130		9	35
Toluene	<0.00200	U	0.100	0.07994		mg/Kg		80	70 - 130		6	35
Ethylbenzene	<0.00200	U	0.100	0.08838		mg/Kg		88	70 - 130		8	35
m,p-Xylenes	<0.00399	U	0.200	0.1713		mg/Kg		86	70 - 130		7	35
o-Xylene	<0.00200	U	0.100	0.08386		mg/Kg		84	70 - 130		9	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-116343/1-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116343

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-116343/1-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 11:23	08/11/25 09:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				08/11/25 11:23	08/11/25 09:30	1
o-Terphenyl (Surr)	110		70 - 130				08/11/25 11:23	08/11/25 09:30	1

Lab Sample ID: LCS 880-116343/2-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	955.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	964.4		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	102		70 - 130				
o-Terphenyl (Surr)	112		70 - 130				

Lab Sample ID: LCSD 880-116343/3-A

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	980.1		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	996.8		mg/Kg		100	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	101		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Lab Sample ID: 880-61315-A-1-C MS

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	995	913.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	995	901.5		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	99		70 - 130						
o-Terphenyl (Surr)	107		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-61315-A-1-D MSD

Matrix: Solid

Analysis Batch: 116383

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116343

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	<50.1	U	995	962.7		mg/Kg		97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U	995	932.9		mg/Kg		94	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	99		70 - 130								
o-Terphenyl (Surr)	107		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116339/1-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/11/25 18:07	1

Lab Sample ID: LCS 880-116339/2-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-116339/3-A

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.4		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-61317-A-3-B MS

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	235.7		mg/Kg		92	90 - 110

Lab Sample ID: 880-61317-A-3-C MSD

Matrix: Solid

Analysis Batch: 116345

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.0	U	251	236.0		mg/Kg		93	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 116315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	8021B	116346
MB 880-116320/5-A	Method Blank	Total/NA	Solid	8021B	116320
MB 880-116346/5-A	Method Blank	Total/NA	Solid	8021B	116346
LCS 880-116346/1-A	Lab Control Sample	Total/NA	Solid	8021B	116346
LCSD 880-116346/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116346
880-61318-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	116346
880-61318-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116346

Prep Batch: 116320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116320/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 116346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	5035	
MB 880-116346/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116346/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116346/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61318-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-61318-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	8015NM Prep	
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61315-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61315-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	8015B NM	116343
MB 880-116343/1-A	Method Blank	Total/NA	Solid	8015B NM	116343
LCS 880-116343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116343
LCSD 880-116343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116343
880-61315-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	116343
880-61315-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116343

Analysis Batch: 116462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 116339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Soluble	Solid	DI Leach	
MB 880-116339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61317-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61317-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 116345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61316-1	backfill	Soluble	Solid	300.0	116339
MB 880-116339/1-A	Method Blank	Soluble	Solid	300.0	116339
LCS 880-116339/2-A	Lab Control Sample	Soluble	Solid	300.0	116339
LCSD 880-116339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116339
880-61317-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	116339
880-61317-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	116339

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

Client Sample ID: backfill
Date Collected: 08/07/25 00:00
Date Received: 08/11/25 10:30

Lab Sample ID: 880-61316-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116346	08/11/25 11:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116315	08/12/25 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116476	08/12/25 05:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			116462	08/11/25 14:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	116343	08/11/25 11:24	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116383	08/11/25 14:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116339	08/11/25 11:10	SI	EET MID
Soluble	Analysis	300.0		1			116345	08/11/25 19:26	CS	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: Honey Graham State Com 5H

Job ID: 880-61316-1
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	06-30-26
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: Honey Graham State Com 5H

Job ID: 880-61316-1
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: Honey Graham State Com 5H

Job ID: 880-61316-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-61316-1	backfill	Solid	08/07/25 00:00	08/11/25 10:30	New Mexico

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

Chain of Custody



880-61316 Chain of Custody

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			

Project Name: Honey Graham State Com 5H		Turn Around		Pres. Code	
Project Number: 2670		☐ Routine ☒ Rush			
Project Location: Eddy County, New Mexico		Due Date: 24 hr			
Sampler's Name: JR					
PO #:					

Temp Blank: Yes ☒ No ☐		Wet Ice: Yes ☒ No ☐	
Received Intact: Yes ☒ No ☐		Thermometer ID: <i>2670</i>	
Cooler Custody Seals: Yes ☒ No ☐		Correction Factor: <i>4.7</i>	
Sample Custody Seals: Yes ☒ No ☐		Temperature Reading: <i>4.7</i>	
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grabi Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes	Sample Comments
Backfill	8/7/2025		X		C	1	BTX 8021B		BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0							None: NO	DI Water: H ₂ O	
																		Cool: Cool	MeOH: Me	
																		HCL: HC	HNO ₃ : HN	
																		H ₂ SO ₄ : H ₂	NaOH: Na	
																		H ₃ PO ₄ : HP		
																		NaHSO ₄ : NABIS		
																		Na ₂ S ₂ O ₃ : NaSO ₃		
																		Zn Acetate+NaOH: Zn		
																		NaOH+Ascorbic Acid: SAPC		

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>[Signature]</i>		8/11/25 1030		<i>[Signature]</i>		8/11/25 1030	

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-61316-1
SDG Number: Eddy County, New Mexico

Login Number: 61316

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 523694

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505435714
Incident Name	NAPP2505435714 HONEY GRAHAM STATE 5H @ 30-015-41608
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41608] HONEY GRAHAM STATE COM #005H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HONEY GRAHAM STATE 5H
Date Release Discovered	02/22/2025
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: Fire Other (Specify) Crude Oil Released: 1 BBL (Unknown Released Amount) 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 523694

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (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: 11/06/2025
--	---

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 523694

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	386
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14200
GRO+DRO (EPA SW-846 Method 8015M)	14200
BTEX (EPA SW-846 Method 8021B or 8260B)	77.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0.2
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/04/2025
On what date will (or did) the final sampling or liner inspection occur	08/07/2025
On what date will (or was) the remediation complete(d)	08/14/2025
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	666
What is the estimated volume (in cubic yards) that will be remediated	187
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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General Information
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Oil Conservation Division
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QUESTIONS, Page 4

Action 523694

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 523694

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	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 523694

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492284
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/07/2025
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	666

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	666
What was the total volume (cubic yards) remediated	187
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
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 11/06/2025

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QUESTIONS, Page 7

Action 523694

QUESTIONS (continued)

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	Action Number: 523694
	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 523694

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 523694
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved with the following condition: Incorrect minimum distance to a 100-year floodplain was submitted with this remediation closure request. Referring to the USA Flood Hazard Areas Map, the minimum distance to a 100-year floodplain should be updated to "Between 500 and 1000 (ft.)" when Reclamation and/or Revegetation reports are submitted for this release.	11/21/2025
scwells	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	11/21/2025