

Spill Calculation - Subsurface Spill - Rectangle

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.)
Rectangle A	10.0	7.0	0.1	On-Pad ▾	10.50%	0.10	0.01
Rectangle B				Off-Pad ▾	14.60%	0.00	0.00
Rectangle C				Off-Pad ▾	14.60%	0.00	0.00
Rectangle D				Off-Pad ▾	14.60%	0.00	0.00
Rectangle E				Off-Pad ▾	14.60%	0.00	0.00
Rectangle F				▾		0.00	
Rectangle G				▾		0.00	
Rectangle H				▾		0.00	
Rectangle I				▾		0.00	
Rectangle J				▾		0.00	
Total Subsurface Volume Released:							0.0109



SITE INFORMATION

Closure Report
Big Papi Federal Com 2H (01.02.25)
Eddy County, New Mexico
Incident ID: NAPP2500237535
Unit C Sec 04 T26S R29E
32.07806°, -103.99101°

Crude Oil & Produced Water Release
Point of Release: Flare Fire
Release Date: 01.02.2025
Volume Released: 0.13 barrels of Crude Oil & 0.13 barrels of Produced Water
Volume Recovered: 0 barrels of Crude Oil & 0 barrels of Produced Water

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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March 11 2025

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

Re: Closure Report
Big Papi Federal Com 2H (01.02.25)
Incident ID: NAPP2500237535
Concho Operating, LLC
Site Location: Unit C, S04, T26S, R29E
(Lat 32.07806°, Long -103.99101°)
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 Big Papi Federal Com 2H (01.02.25). The site is located at 32.07806, -103.99101 within Unit C, S04, T26S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 2, 2025, due to equipment failure sending fluid to the flare causing a fire. The incident released approximately zero point one three (0.13) barrels of crude oil and zero point one three (0.13) barrels of produced water with zero (0) barrels of crude oil and zero (0) barrels of produced water recovered. The impacted area occurred on the pad, as shown in Figure 3. The Notice of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.26 miles Northwest of the site in S32, T25S, R29E and was drilled in 1992. The well has a reported depth to groundwater of 98.13' 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 January 3, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 & S-2) and five (5) horizontal sample points



(H-1 through H-5) were installed to total depths ranging from surface to 1.5' 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 Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on January 25, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The areas of S-1 & S-2 were excavated to a depth of 1.5' to ensure the removal of all impacted material. A total of six (6) confirmation floor samples were collected (CS-1 through CS-6), and four (4) sidewall samples (SW-1 through SW-4) 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 D. 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. Prior to backfilling, a composite sample of the material was collected to ensure it was clean and non-waste containing material. Refer to Table 2 for the analytical results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 160 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 432-813-1992.

Sincerely,
Carmona Resources, LLC

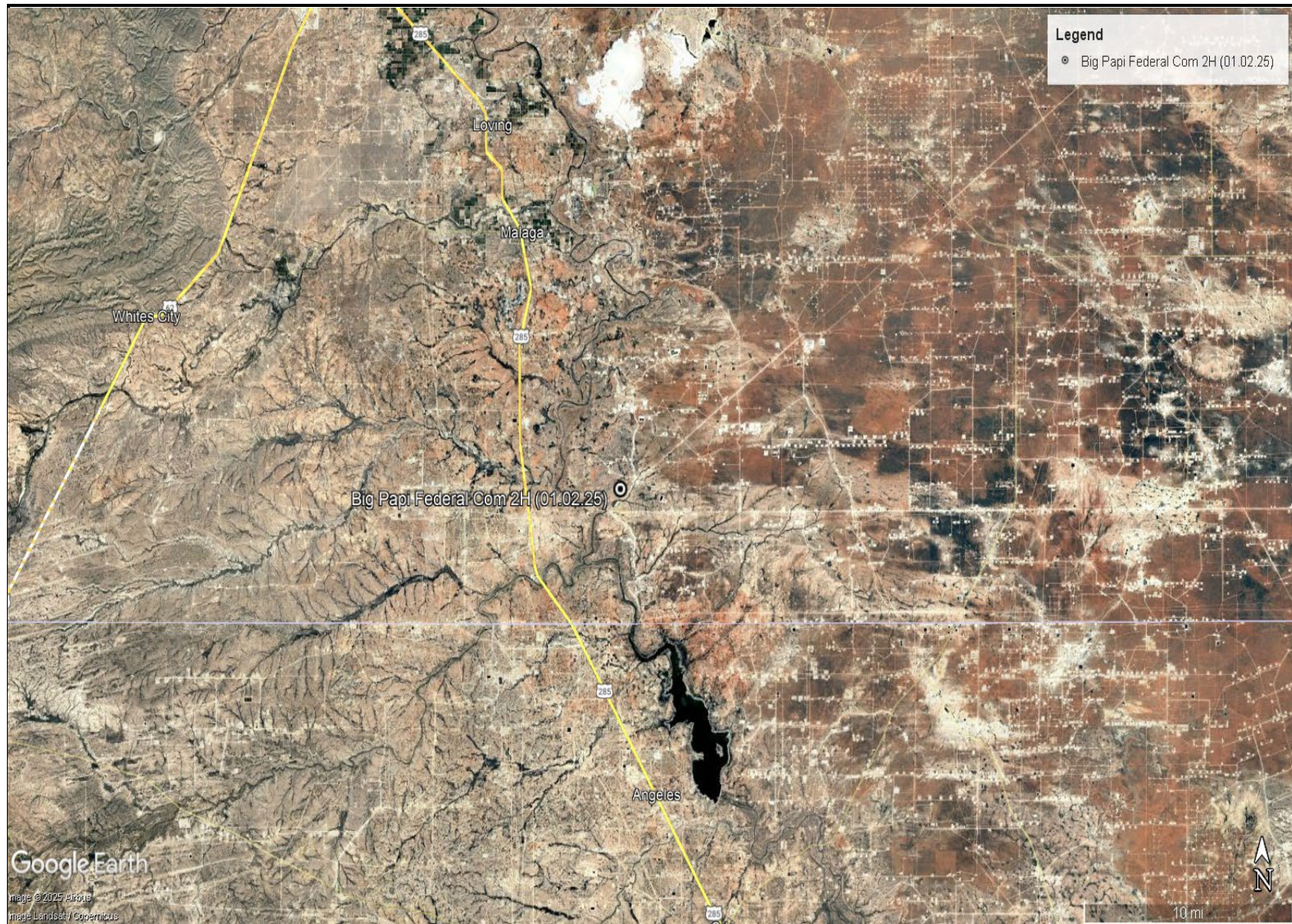
Conner Moehring
Environmental Manager

Stephen Reyes
Sr. Project Manager

FIGURES

CARMONA RESOURCES

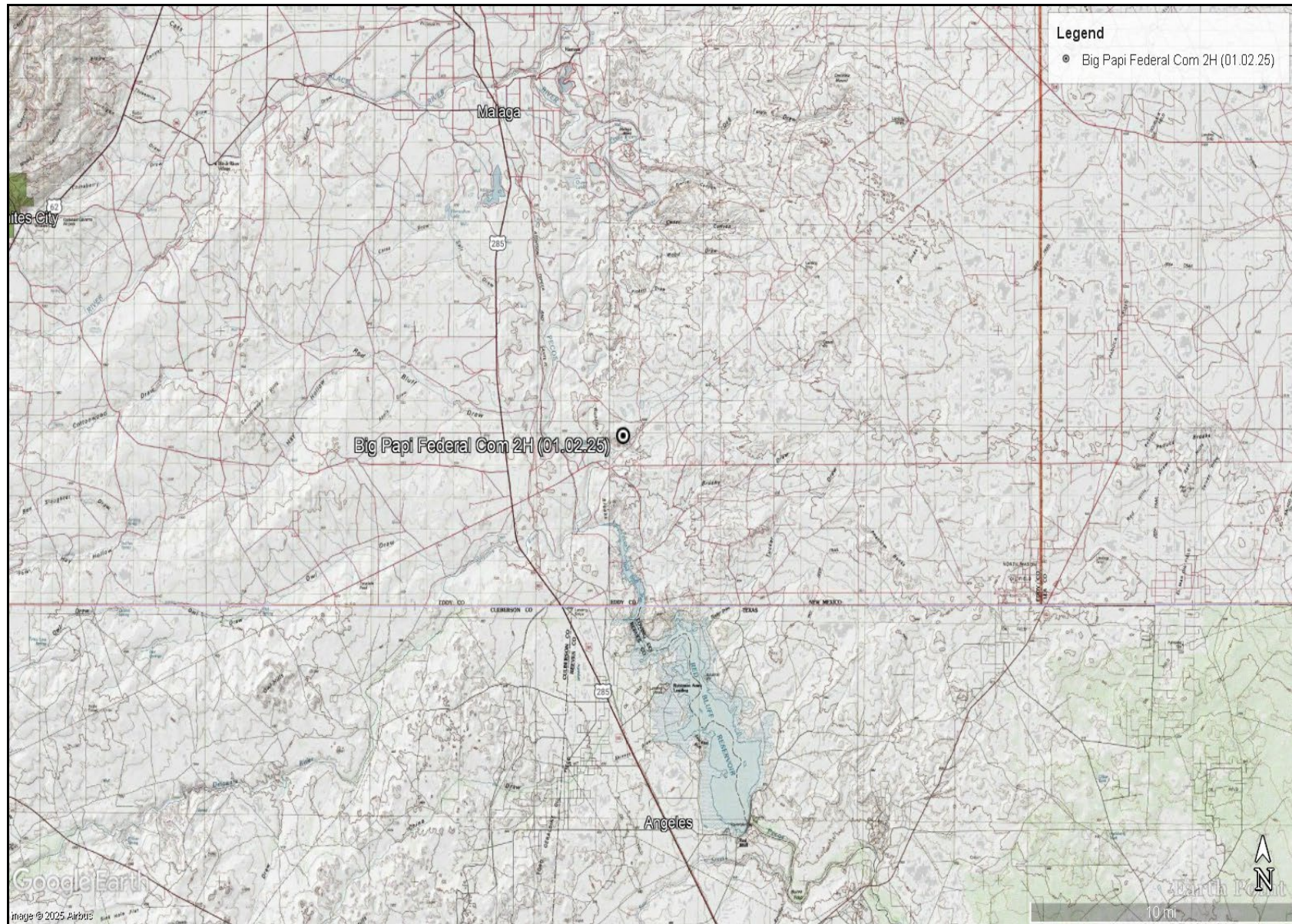




OVERVIEW MAP
COG OPERATING, LLC
BIG PAPI FEDERAL COM 2H (01.02.25)
EDDY COUNTY, NEW MEXICO
32.07806°, -103.99101°



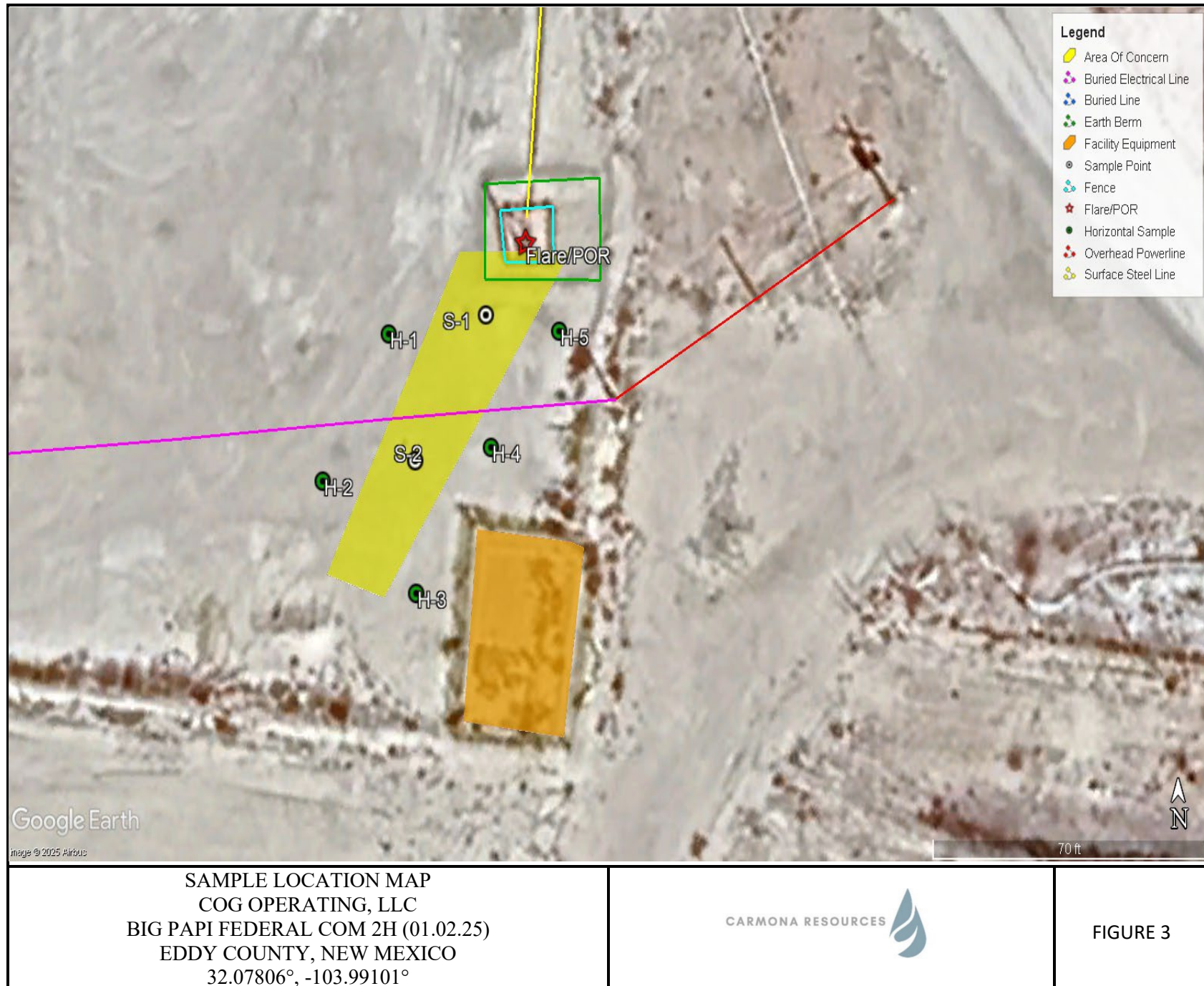
FIGURE 1

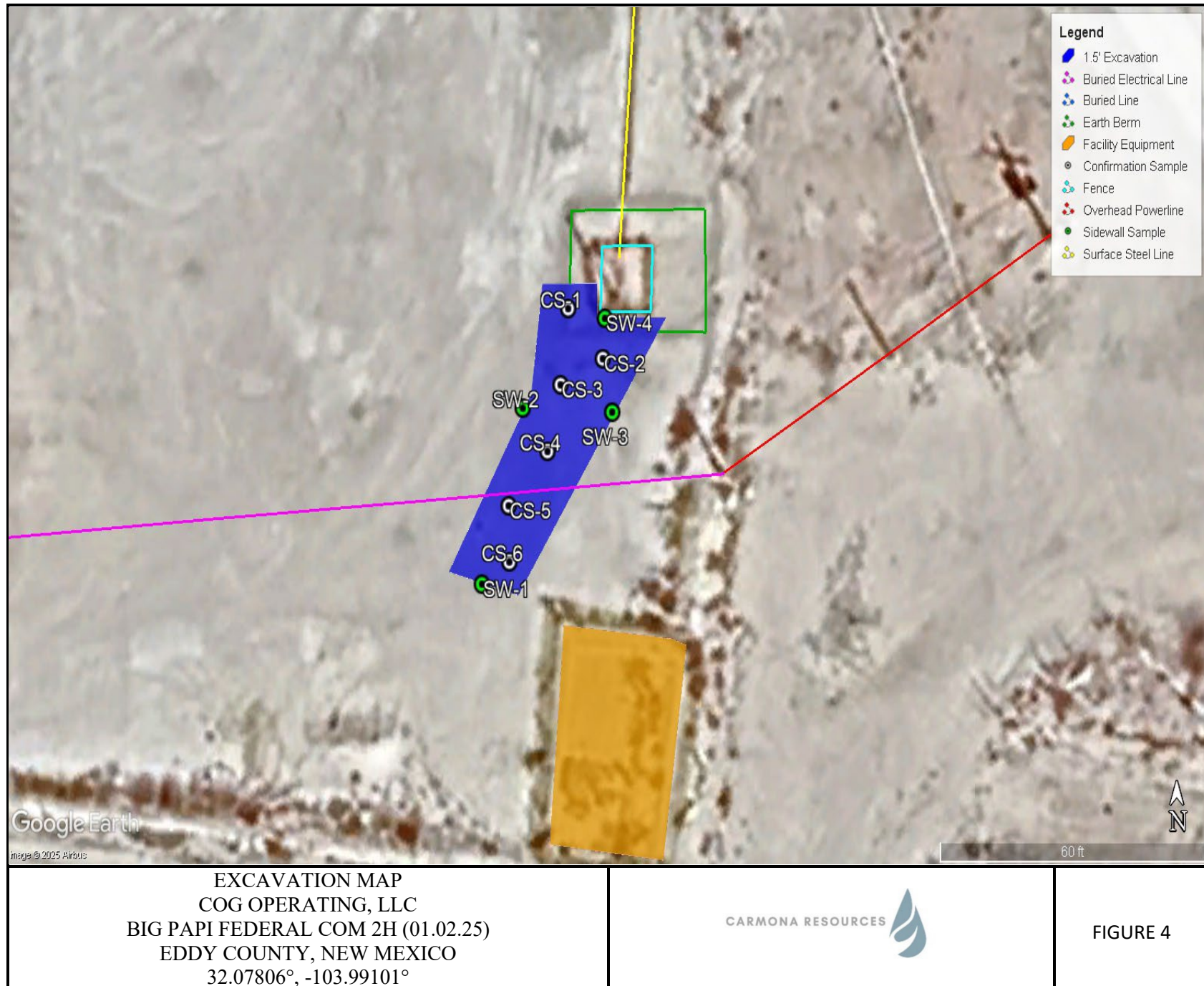


TOPOGRAPHIC MAP
COG OPERATING, LLC
BIG PAPI FEDERAL COM 2H (01.02.25)
EDDY COUNTY, NEW MEXICO
32.07806°, -103.99101°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Big Papi Federal Com 2H (01.02.25)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	1/3/2025	0-0.5'	12.2	1,090	267	1,369	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	1'	<10.0	517	130	647	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-2	1/3/2025	0-0.5'	12.8	1,260	312	1,584	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	1'	<10.0	586	156	745	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	1.5'	<10.0	67.5	26.5	94.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-1	1/3/2025	0-0.5'	<10.0	23.6	<10.0	23.6	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-2	1/3/2025	0-0.5'	<10.0	29.8	11.6	41.4	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-3	1/3/2025	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-4	1/3/2025	0-0.5'	<10.0	14.3	<10.0	14.3	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-5	1/3/2025	0-0.5'	<10.0	15.5	<10.0	15.5	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

Removed

Table 2
Conoco Phillips
Big Papi Fed Com 2H (1.02.25)
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	1/27/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	101
CS-2	1/27/2025	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	148
CS-3	1/27/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	75.4
CS-4	1/27/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	103
CS-5	1/27/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	73.2
CS-6	1/27/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.2
SW-1	1/27/2025	1.5'	<49.9	81.0	<49.9	81.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	112
SW-2	1/27/2025	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	84.9
SW-3	1/27/2025	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.1
SW-4	1/27/2025	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	113
Backfill Sample	1/27/2025	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	229
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

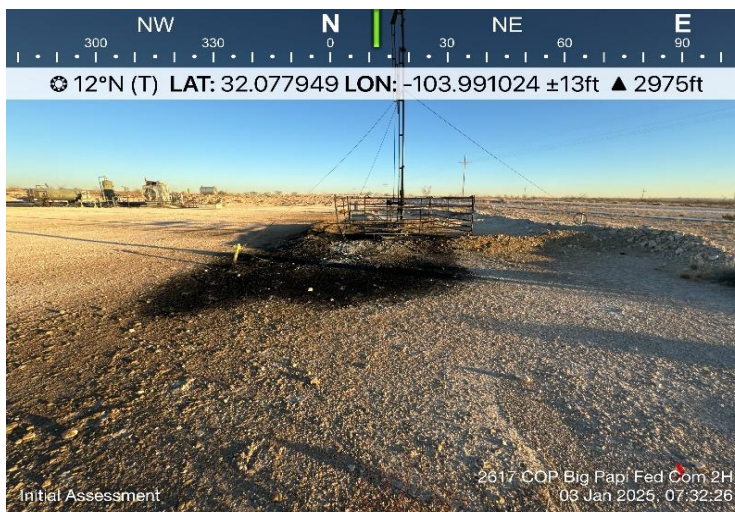
Photograph No. 1

Facility: Big Papi Federal Com 2H (01.02.25)

County: Eddy County, New Mexico

Description:

View North area of concern



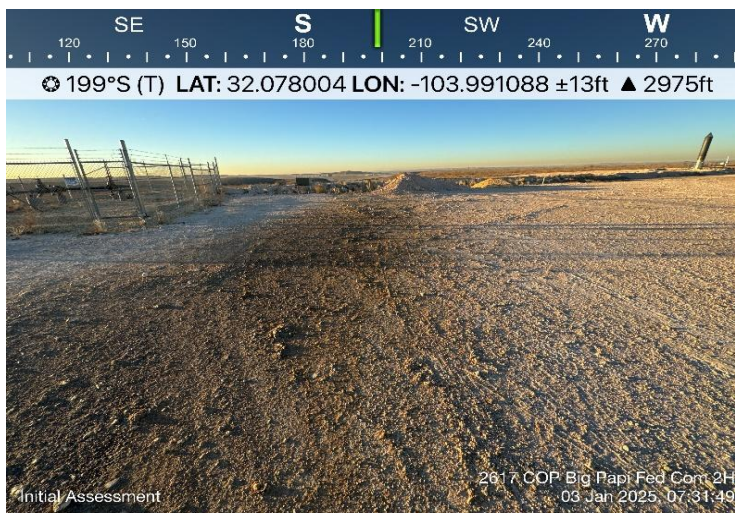
Photograph No. 2

Facility: Big Papi Federal Com 2H (01.02.25)

County: Eddy County, New Mexico

Description:

View South, area of concern



Photograph No. 3

Facility: Big Papi Federal Com 2H (01.02.25)

County: Eddy County, New Mexico

Description:

View South, areas of CS-1 through CS-4



PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 4****Facility:** Big Papi Federal Com 2H (01.02.25)**County:** Eddy County, New Mexico**Description:**

View Southwest, area of CS-5 and CS-6

**Photograph No. 5****Facility:** Big Papi Federal Com 2H (01.02.25)**County:** Eddy County, New Mexico**Description:**

View North, backfilled excavation

**Photograph No. 6****Facility:** Big Papi Federal Com 2H (01.02.25)**County:** Eddy County, New Mexico**Description:**

View East, backfilled excavation



APPENDIX C

CARMONA RESOURCES



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 416410

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 416410
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Big Papi Federal Com 2H
Date Release Discovered	01/02/2025
Surface Owner	Federal

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: 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	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 416410

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 416410
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 416410

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 416410
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 416410

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 416410
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/2/2025

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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 423768

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 423768
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500237535
Incident Name	NAPP2500237535 BIG PAPI FEDERAL COM 2H @ 30-015-37833
Incident Type	Fire
Incident Status	Notification Accepted
Incident Well	[30-015-37833] BIG PAPI FEDERAL COM #002H

Location of Release Source	
Site Name	Big Papi Federal Com 2H
Date Release Discovered	01/02/2025
Surface Owner	Federal

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	2,187
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	01/27/2025
Time liner inspection will commence	10:00 AM
Please provide any information necessary for observers to liner inspection	Conner Moehring – 432-813-6823
Please provide any information necessary for navigation to liner inspection site	coordinates on original C-141

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 423768

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 423768
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	1/22/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.26 Miles
- 1.53 Miles
- 1.55 Miles
- USGS Water Well
- Big Papi Federal Com 2H (01.02.25)
- NMSEO Water Well

98.13' - Drilled 1992

Big Papi Federal Com 2H (01.02.25)

75' - Drilled 2011

78' - Drilled 2011



4000 ft

Medium Karst

COG Operating

Legend

- Big Papi Federal Com 2H (01.02.25)
- Medium

Big Papi Federal Com 2H (01.02.25)

Pipeline Road Number 1





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04473 POD1		CUB	ED	SW	SE	SW	33	25S	29E	595018.5	3549768.7		317	110		
C 03508 POD1		C	ED	NW	SW	SW	05	26S	29E	593063.4	3548361.2		2458	140	75	65
C 03507 POD1		C	ED	NW	SW	SW	05	26S	29E	593063.8	3548313.2		2481	140	78	62

Average Depth to Water: 76 feet

Minimum Depth: 75 feet

Maximum Depth: 78 feet

Record Count: 3

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 595226.52

Northing: 3549529.34

Radius: 4000.0


* 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.

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03508 POD1	NW	SW	SW	05	26S	29E	593063.4	3548361.2	

* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SERVICE		
Driller Name:	KEY, CLINTON				
Drill Start Date:	2011-08-24	Drill Finish Date:	2011-08-24	Plug Date:	
Log File Date:	2011-09-12	PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield:	40
Casing Size:	6.00	Depth Well:	140	Depth Water:	75

Water Bearing Stratifications:

Top	Bottom	Description
75	76	Shale/Mudstone/Siltstone

Casing Perforations:

Top	Bottom
65	105


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.

2/24/25, 1:27 PM

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03507 POD1	NW	SW	SW	05	26S	29E	593063.8	3548313.2	

* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SERVICE
Driller Name:	KEY, CLINTON		
Drill Start Date:	2011-08-26	Drill Finish Date:	2011-08-26
Log File Date:	2011-09-12	PCW Rcv Date:	
Pump Type:	SUBMER	Pipe Discharge Size:	
Casing Size:	6.00	Depth Well:	140
		Depth Water:	78

Water Bearing Stratifications:

Top	Bottom	Description
78	79	Shale/Mudstone/Siltstone
105	106	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
75	112

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.



USGS Home
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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

Search Results -- 1 sites found

County = Eddy

lat_long_bounding_box =

Position	Latitude	Longitude
Corner 1	32.096871	-104.011488
Corner 2	32.054739	-103.961625
Coordinates are entered as Decimal Degrees. DMS values are converted to Decimal degrees using NAD83 as the datum. Make your bounding box bigger if you are using NAD27 Datum for your DMS values		

Minimum number of 1
levels =

[Save file of selected sites](#) to local disk for future upload

USGS 320532104001701 25S.29E.32.21111

Eddy County, New Mexico
Latitude 32°05'32", Longitude 104°00'17" NAD27
Land-surface elevation 2,988 feet above NAVD88
The depth of the well is 128 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur
1949-03-11			D 62610		2871.10	NGVD29	1	Z		
1949-03-11			D 62611		2872.66	NAVD88	1	Z		
1949-03-11			D 72019	115.34			1	Z		
1958-08-19			D 62610		2887.81	NGVD29	1	Z		
1958-08-19			D 62611		2889.37	NAVD88	1	Z		
1958-08-19			D 72019	98.63			1	Z		
1959-03-24			D 62610		2887.84	NGVD29	1	Z		
1959-03-24			D 62611		2889.40	NAVD88	1	Z		
1959-03-24			D 72019	98.60			1	Z		
1978-01-13			D 62610		2891.21	NGVD29	1	Z		
1978-01-13			D 62611		2892.77	NAVD88	1	Z		
1978-01-13			D 72019	95.23			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D	62610	2890.81	NGVD29	1		Z	
1983-02-01			D	62611	2892.37	NAVD88	1		Z	
1983-02-01			D	72019	95.63		1		Z	
1987-10-14			D	62610	2889.75	NGVD29	1		Z	
1987-10-14			D	62611	2891.31	NAVD88	1		Z	
1987-10-14			D	72019	96.69		1		Z	
1988-04-06			D	62610	2889.51	NGVD29	1		Z	
1988-04-06			D	62611	2891.07	NAVD88	1		Z	
1988-04-06			D	72019	96.93		1		Z	
1992-11-03			D	62610	2888.31	NGVD29	1		S	
1992-11-03			D	62611	2889.87	NAVD88	1		S	
1992-11-03			D	72019	98.13		1		S	

Explanation

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

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels

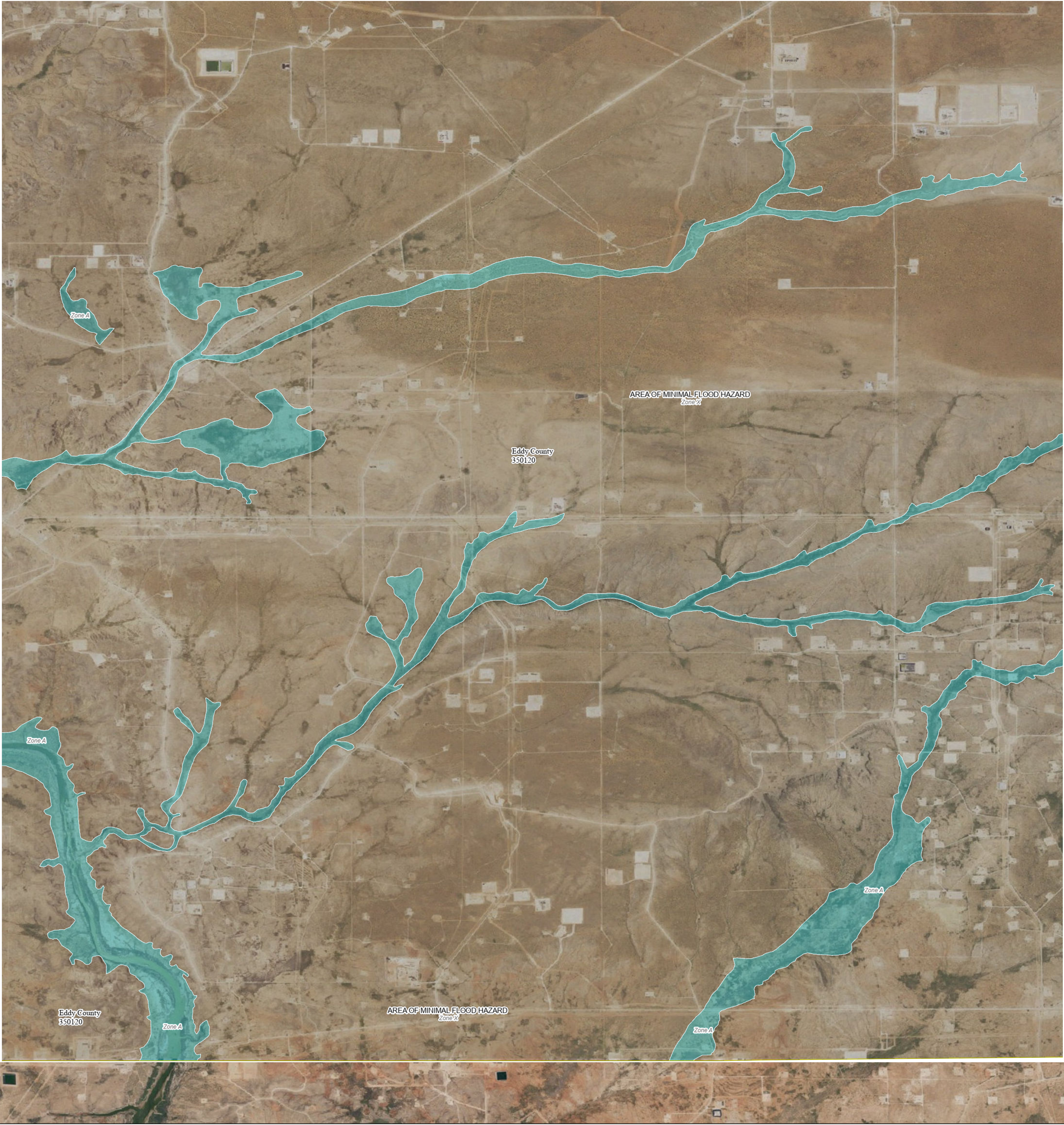
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



Page Contact Information: New Mexico Water Data Maintainer

Page Last Modified: 2025-02-24 14:30:31 EST

1.01 0.25 nadww02



103°52'28.32"W 31°59'33.89"N

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP
FOR DRAFT FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee See Notes Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		8 Coastal Transect
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-6627) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

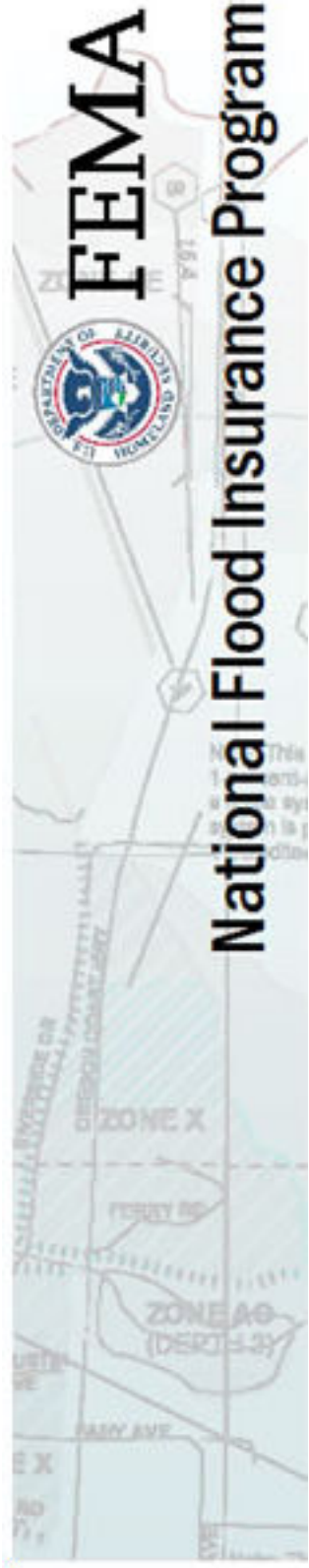
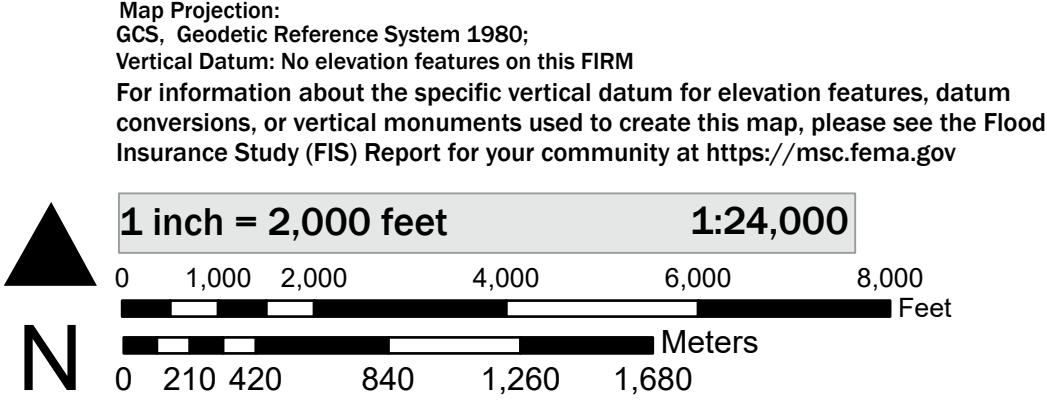
To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 2/24/2025 7:42 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

PANEL 1875 OF 1925

COMMUNITY	NUMBER	PANEL
EDDY COUNTY	350120	1875

MAP NUMBER
35015C1875D
EFFECTIVE DATE
June 04, 2010

APPENDIX E

CARMONA RESOURCES





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

January 08, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG PAPI FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 10:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (0-0.5') (H250017-01)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	GC-NC
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: KV				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/03/2025	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.2	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	1090	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	267	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (1') (H250017-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45		
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14		
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	GC-NC	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940		
Total BTEX	<0.300	0.300	01/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	517	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	130	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (1.5') (H250017-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (0-0.5') (H250017-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45		
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14		
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	GC-NC	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940		
Total BTEx	<0.300	0.300	01/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.8	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	1260	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	312	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (1') (H250017-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	GC-NC
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	589	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	156	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (1.5') (H250017-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	67.5	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	26.5	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No: A250017

Work Order Comments	
Program: UST/PT <input type="checkbox"/> PRR <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mike Medina	1-3-25 1050	Monica Medina	



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

January 08, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BIG PAPI FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 10:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 (0-0.5') (H250018-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45		
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14		
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83		
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940		
Total BTEX	<0.300	0.300	01/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/03/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	23.6	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H250018-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEx	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	29.8	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	11.6	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 (0-0.5') (H250018-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45	
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/03/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-0.5') (H250018-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45		
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14		
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83		
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940		
Total BTEX	<0.300	0.300	01/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	14.3	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 01/03/2025
 Reported: 01/08/2025
 Project Name: BIG PAPI FED COM 2H
 Project Number: 2617 (1.02.25)
 Project Location: EDDY CO NM

Sampling Date: 01/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H250018-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/03/2025	ND	1.65	82.4	2.00	1.45		
Toluene*	<0.050	0.050	01/03/2025	ND	1.72	86.0	2.00	2.14		
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.67	83.3	2.00	1.83		
Total Xylenes*	<0.150	0.150	01/03/2025	ND	4.91	81.8	6.00	0.940		
Total BTEx	<0.300	0.300	01/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	179	89.3	200	0.309	
DRO >C10-C28*	15.5	10.0	01/03/2025	ND	184	92.1	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H250018

Page 8 of 8

Project Manager:	Conner Moehring	Bill To: (if different)	Camona Resources
Company Name:	Camona 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:	mcamona@camonaresources.com

Page ____ of ____

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Colin Muehling</i>	1-3-25 1050	<i>Shirley Muehling</i>	



Environment Testing

1

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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Big Papi Fed Com 2H (1.02.25)
Eddy County, New Mexico

JOB NUMBER

880-53763-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Laboratory Job ID: 880-53763-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
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
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1

Job ID: 880-53763-1**Eurofins Midland****Job Narrative
880-53763-1**

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 1/29/2025 8:35 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 -2.8°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101451 and analytical batch 880-101491 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-7 (1.5') (880-53763-7) and CS-9 (1.5') (880-53763-9). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101451 and analytical batch 880-101491 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101447 and analytical batch 880-101465 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-53763-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 09:11	01/29/25 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 09:11	01/29/25 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/29/25 09:11	01/29/25 16:30	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/29/25 09:11	01/29/25 16:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/29/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/25 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 13:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 13:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	01/29/25 09:27	01/29/25 13:40	1
o-Terphenyl	100		70 - 130	01/29/25 09:27	01/29/25 13:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		9.92		mg/Kg			01/29/25 17:33	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-53763-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 09:11	01/29/25 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 16:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 09:11	01/29/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	01/29/25 09:11	01/29/25 16:51	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/29/25 09:11	01/29/25 16:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-53763-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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			01/29/25 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/29/25 13:56	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		01/29/25 09:27	01/29/25 13:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/29/25 09:27	01/29/25 13:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/29/25 09:27	01/29/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				01/29/25 09:27	01/29/25 13:56	1
o-Terphenyl	96		70 - 130				01/29/25 09:27	01/29/25 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		10.1		mg/Kg			01/29/25 17:39	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-53763-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 17:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 17:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 17:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 17:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 17:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/29/25 09:11	01/29/25 17:11	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/29/25 09:11	01/29/25 17:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/29/25 14:12	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		01/29/25 09:27	01/29/25 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-53763-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/29/25 09:27	01/29/25 14:12	1
o-Terphenyl	102		70 - 130				01/29/25 09:27	01/29/25 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4		9.96		mg/Kg			01/29/25 17:45	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-53763-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 17:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/29/25 09:11	01/29/25 17:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/29/25 09:11	01/29/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/29/25 09:11	01/29/25 17:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130				01/29/25 09:11	01/29/25 17:32	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			01/29/25 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/29/25 14:28	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		01/29/25 09:27	01/29/25 14:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 14:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				01/29/25 09:27	01/29/25 14:28	1
o-Terphenyl	103		70 - 130				01/29/25 09:27	01/29/25 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.0		mg/Kg			01/29/25 17:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-53763-5

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 17:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/29/25 09:11	01/29/25 17:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/29/25 09:11	01/29/25 17:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/29/25 09:11	01/29/25 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/29/25 09:11	01/29/25 17:52	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/29/25 09:11	01/29/25 17:52	1

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			01/29/25 17:52	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			01/29/25 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	01/29/25 09:27	01/29/25 14:43	1
o-Terphenyl	101		70 - 130	01/29/25 09:27	01/29/25 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.2		9.94		mg/Kg			01/29/25 18:08	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-53763-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/29/25 09:11	01/29/25 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/29/25 09:11	01/29/25 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/29/25 09:11	01/29/25 18:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/29/25 09:11	01/29/25 18:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-53763-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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			01/29/25 18:13	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			01/29/25 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 14:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 14:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				01/29/25 09:27	01/29/25 14:59	1
o-Terphenyl	102		70 - 130				01/29/25 09:27	01/29/25 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		9.90		mg/Kg			01/29/25 18:14	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-53763-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/29/25 09:11	01/29/25 18:33	1
1,4-Difluorobenzene (Surr)	110		70 - 130				01/29/25 09:11	01/29/25 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/29/25 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.0		49.9		mg/Kg			01/29/25 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/29/25 09:27	01/29/25 15:14	1
Diesel Range Organics (Over C10-C28)	81.0		49.9		mg/Kg		01/29/25 09:27	01/29/25 15:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-53763-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:27	01/29/25 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				01/29/25 09:27	01/29/25 15:14	1
o-Terphenyl	110		70 - 130				01/29/25 09:27	01/29/25 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		9.92		mg/Kg			01/29/25 18:20	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-53763-8

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 18:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 18:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 18:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/29/25 09:11	01/29/25 18:54	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/29/25 09:11	01/29/25 18:54	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			01/29/25 18:54	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			01/29/25 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 15:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 15:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/29/25 09:27	01/29/25 15:30	1
o-Terphenyl	102		70 - 130				01/29/25 09:27	01/29/25 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		10.1		mg/Kg			01/29/25 18:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-53763-9

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 19:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 19:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 19:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/29/25 09:11	01/29/25 19:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/29/25 09:11	01/29/25 19:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/29/25 09:11	01/29/25 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/29/25 09:11	01/29/25 19:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/29/25 09:11	01/29/25 19:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/29/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/29/25 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/29/25 09:27	01/29/25 15:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/29/25 09:27	01/29/25 15:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/29/25 09:27	01/29/25 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	01/29/25 09:27	01/29/25 15:47	1
o-Terphenyl	128		70 - 130	01/29/25 09:27	01/29/25 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.1		9.96		mg/Kg			01/29/25 18:32	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-53763-10

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 19:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 19:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 19:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 19:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 19:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/29/25 09:11	01/29/25 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/29/25 09:11	01/29/25 19:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/29/25 09:11	01/29/25 19:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53763-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/29/25 19:35	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			01/29/25 16:31	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:31	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:31	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	129		70 - 130				01/29/25 09:27	01/29/25 16:31	1	
o-Terphenyl	120		70 - 130				01/29/25 09:27	01/29/25 16:31	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	113	F1	9.94		mg/Kg			01/29/25 18:38	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
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	DFBZ1				
		(70-130)	(70-130)				
880-53763-1	CS-1 (1.5')	96	112				
880-53763-2	CS-2 (1.5')	95	107				
880-53763-3	CS-3 (1.5')	94	108				
880-53763-4	CS-4 (1.5')	100	106				
880-53763-5	CS-5 (1.5')	94	110				
880-53763-6	CS-6 (1.5')	98	108				
880-53763-7	CS-7 (1.5')	94	110				
880-53763-8	CS-8 (1.5')	93	108				
880-53763-9	CS-9 (1.5')	96	109				
880-53763-10	CS-10 (1.5')	93	106				
890-7606-A-6-D MS	Matrix Spike	94	125				
890-7606-A-6-E MSD	Matrix Spike Duplicate	95	123				
LCS 880-101427/1-A	Lab Control Sample	96	124				
LCSD 880-101427/2-A	Lab Control Sample Dup	96	126				
MB 880-101427/5-A	Method Blank	92	103				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-53762-A-1-E MS	Matrix Spike	117	110				
880-53762-A-1-F MSD	Matrix Spike Duplicate	120	115				
880-53763-1	CS-1 (1.5')	121	100				
880-53763-2	CS-2 (1.5')	119	96				
880-53763-3	CS-3 (1.5')	125	102				
880-53763-4	CS-4 (1.5')	127	103				
880-53763-5	CS-5 (1.5')	125	101				
880-53763-6	CS-6 (1.5')	126	102				
880-53763-7	CS-7 (1.5')	131 S1+	110				
880-53763-8	CS-8 (1.5')	125	102				
880-53763-9	CS-9 (1.5')	134 S1+	128				
880-53763-10	CS-10 (1.5')	129	120				
LCS 880-101451/2-A	Lab Control Sample	126	118				
LCSD 880-101451/3-A	Lab Control Sample Dup	129	123				
MB 880-101451/1-A	Method Blank	147 S1+	120				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101427/5-A

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:13	01/29/25 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:13	01/29/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:13	01/29/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 08:13	01/29/25 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:13	01/29/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 08:13	01/29/25 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/29/25 08:13	01/29/25 11:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/29/25 08:13	01/29/25 11:30	1

Lab Sample ID: LCS 880-101427/1-A

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1025		mg/Kg		103	70 - 130
Toluene	0.100	0.09071		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09954		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2076		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-101427/2-A

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101427

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1029		mg/Kg		103	70 - 130	0	35
Toluene	0.100	0.09103		mg/Kg		91	70 - 130	0	35
Ethylbenzene	0.100	0.09975		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2067		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.09994		mg/Kg		100	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	126		70 - 130

Lab Sample ID: 890-7606-A-6-D MS

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09889		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.08514		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7606-A-6-D MS

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08864		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1823		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.08878		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	125		70 - 130

Lab Sample ID: 890-7606-A-6-E MSD

Matrix: Solid

Analysis Batch: 101435

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101427

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	0.09563		mg/Kg		96	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08280		mg/Kg		83	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08564		mg/Kg		86	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1751		mg/Kg		88	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08862		mg/Kg		89	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

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

Lab Sample ID: MB 880-101451/1-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101451

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		01/29/25 09:27	01/29/25 07:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	01/29/25 09:27	01/29/25 07:56	1
o-Terphenyl	120		70 - 130	01/29/25 09:27	01/29/25 07:56	1

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1092		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-101451/3-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1141		mg/Kg		114	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-53762-A-1-E MS

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1340	F1	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1394	F1	mg/Kg		140	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-53762-A-1-F MSD

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1368	F1	mg/Kg		137	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1466	F1	mg/Kg		147	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	115		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101447/1-A Matrix: Solid Analysis Batch: 101465										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			01/29/25 16:58	1		

Lab Sample ID: LCS 880-101447/2-A Matrix: Solid Analysis Batch: 101465										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-101447/3-A Matrix: Solid Analysis Batch: 101465										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	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-53763-10 MS Matrix: Solid Analysis Batch: 101465										Client Sample ID: CS-10 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	113	F1	249	390.5	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 880-53763-10 MSD Matrix: Solid Analysis Batch: 101465										Client Sample ID: CS-10 (1.5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	113	F1	249	390.5	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 101427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-53763-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-53763-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-53763-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-53763-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-53763-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-53763-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-53763-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-53763-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-53763-10	CS-10 (1.5')	Total/NA	Solid	5035	
MB 880-101427/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101427/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101427/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7606-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7606-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 101435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	8021B	101427
880-53763-2	CS-2 (1.5')	Total/NA	Solid	8021B	101427
880-53763-3	CS-3 (1.5')	Total/NA	Solid	8021B	101427
880-53763-4	CS-4 (1.5')	Total/NA	Solid	8021B	101427
880-53763-5	CS-5 (1.5')	Total/NA	Solid	8021B	101427
880-53763-6	CS-6 (1.5')	Total/NA	Solid	8021B	101427
880-53763-7	CS-7 (1.5')	Total/NA	Solid	8021B	101427
880-53763-8	CS-8 (1.5')	Total/NA	Solid	8021B	101427
880-53763-9	CS-9 (1.5')	Total/NA	Solid	8021B	101427
880-53763-10	CS-10 (1.5')	Total/NA	Solid	8021B	101427
MB 880-101427/5-A	Method Blank	Total/NA	Solid	8021B	101427
LCS 880-101427/1-A	Lab Control Sample	Total/NA	Solid	8021B	101427
LCSD 880-101427/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101427
890-7606-A-6-D MS	Matrix Spike	Total/NA	Solid	8021B	101427
890-7606-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101427

Analysis Batch: 101623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-53763-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 101451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-53763-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	101451
880-53763-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	101451
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015B NM	101451
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101451
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101451
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	101451
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101451

Analysis Batch: 101594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-53763-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-53763-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-53763-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-53763-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-53763-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-53763-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-53763-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-53763-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-53763-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-53763-1

Project/Site: Big Papi Fed Com 2H (1.02.25)

SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 101447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-53763-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-53763-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-53763-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-53763-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-53763-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-53763-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-53763-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-53763-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-53763-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
MB 880-101447/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53763-10 MS	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-53763-10 MSD	CS-10 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 101465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-1	CS-1 (1.5')	Soluble	Solid	300.0	101447
880-53763-2	CS-2 (1.5')	Soluble	Solid	300.0	101447
880-53763-3	CS-3 (1.5')	Soluble	Solid	300.0	101447
880-53763-4	CS-4 (1.5')	Soluble	Solid	300.0	101447
880-53763-5	CS-5 (1.5')	Soluble	Solid	300.0	101447
880-53763-6	CS-6 (1.5')	Soluble	Solid	300.0	101447
880-53763-7	CS-7 (1.5')	Soluble	Solid	300.0	101447
880-53763-8	CS-8 (1.5')	Soluble	Solid	300.0	101447
880-53763-9	CS-9 (1.5')	Soluble	Solid	300.0	101447
880-53763-10	CS-10 (1.5')	Soluble	Solid	300.0	101447
MB 880-101447/1-A	Method Blank	Soluble	Solid	300.0	101447
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	300.0	101447
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101447
880-53763-10 MS	CS-10 (1.5')	Soluble	Solid	300.0	101447
880-53763-10 MSD	CS-10 (1.5')	Soluble	Solid	300.0	101447

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Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-53763-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 13:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 13:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 17:33	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-53763-2

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 16:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 13:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 13:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 17:39	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-53763-3

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 14:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 14:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 17:45	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-53763-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 17:32	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-53763-4

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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			101594	01/29/25 14:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 14:28	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 17:51	CH	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-53763-5

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 17:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 14:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 14:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:08	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-53763-6

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 18:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 14:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 14:59	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:14	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-53763-7

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 18:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 15:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 15:14	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53763-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:20	CH	EET MID

Client Sample ID: CS-8 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53763-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 18:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 15:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 15:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:26	CH	EET MID

Client Sample ID: CS-9 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53763-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 19:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 15:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 15:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:32	CH	EET MID

Client Sample ID: CS-10 (1.5')
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53763-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101427	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101435	01/29/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101623	01/29/25 19:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101594	01/29/25 16:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 16:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:38	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53763-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53763-1	CS-1 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-2	CS-2 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-3	CS-3 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-4	CS-4 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-5	CS-5 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-6	CS-6 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-7	CS-7 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-8	CS-8 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-9	CS-9 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35
880-53763-10	CS-10 (1.5')	Solid	01/27/25 00:00	01/29/25 08:35

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Chain of Custody



880-53763 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

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

ANALYSIS REQUEST										
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around	Pres. Code	Parameters			Sample Comments
Big Papi Fed Com 2H (1.02.25)	2617	Eddy County, New Mexico	CMIM		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date: 48 HR					
SAMPLE RECEIPT Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Thermometer ID: <u>185</u> Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Correction Factor: <u>-2.5</u> Total Containers: <u>-2.5</u>										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont				
CS-1 (1.5')	1/27/2025		X		C	1				
CS-2 (1.5')	1/27/2025		X		C	1				
CS-3 (1.5')	1/27/2025		X		C	1				
CS-4 (1.5')	1/27/2025		X		C	1				
CS-5 (1.5')	1/27/2025		X		C	1				
CS-6 (1.5')	1/27/2025		X		C	1				
SW-1 (1.5')	1/27/2025		X		C	1				
SW-2 (1.5')	1/27/2025		X		C	1				
SW-3 (1.5')	1/27/2025		X		C	1				
SW-4 (1.5')	1/27/2025		X		C	1				

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1/29/25

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53763-1
SDG Number: Eddy County, New Mexico

Login Number: 53763

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/30/2025 12:18:55 PM

JOB DESCRIPTION

Big Papi Fed Com 2H (1.02.25)
Eddy County, New Mexico

JOB NUMBER

880-53765-1

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
1/30/2025 12:18:55 PM

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

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Laboratory Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
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
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1

Job ID: 880-53765-1

Eurofins Midland

Job Narrative 880-53765-1

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

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

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

Receipt

The sample was received on 1/29/2025 8:35 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 -2.8°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (880-53765-1).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101451 and analytical batch 880-101491 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: Backfill Sample (880-53765-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101451 and analytical batch 880-101491 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101447 and analytical batch 880-101465 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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample

Lab Sample ID: 880-53765-1

Date Collected: 01/27/25 00:00

Matrix: Solid

Date Received: 01/29/25 08:35

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		01/29/25 09:11	01/29/25 13:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 09:11	01/29/25 13:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/29/25 09:11	01/29/25 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/29/25 09:11	01/29/25 13:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/29/25 09:11	01/29/25 13:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/29/25 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	<49.8	U	49.8		mg/Kg			01/29/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/29/25 09:27	01/29/25 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	01/29/25 09:27	01/29/25 16:47	1
o-Terphenyl	117		70 - 130	01/29/25 09:27	01/29/25 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		9.92		mg/Kg			01/29/25 18:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
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)
880-53765-1	Backfill Sample	99	99
890-7606-A-16-C MS	Matrix Spike	97	102
890-7606-A-16-D MSD	Matrix Spike Duplicate	96	102
LCS 880-101428/1-A	Lab Control Sample	98	100
LCSD 880-101428/2-A	Lab Control Sample Dup	109	100
MB 880-101428/5-A	Method Blank	90	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)
880-53762-A-1-E MS	Matrix Spike	117	110
880-53762-A-1-F MSD	Matrix Spike Duplicate	120	115
880-53765-1	Backfill Sample	136 S1+	117
LCS 880-101451/2-A	Lab Control Sample	126	118
LCSD 880-101451/3-A	Lab Control Sample Dup	129	123
MB 880-101451/1-A	Method Blank	147 S1+	120

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101428/5-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/29/25 08:16	01/29/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/29/25 08:16	01/29/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	01/29/25 08:16	01/29/25 11:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/29/25 08:16	01/29/25 11:28	1

Lab Sample ID: LCS 880-101428/1-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.1947		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-101428/2-A

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.1127		mg/Kg		113	70 - 130	4	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2028		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7606-A-16-C MS

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1025		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-7606-A-16-C MS

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7606-A-16-D MSD

Matrix: Solid

Analysis Batch: 101434

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101428

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	0.1056		mg/Kg		106	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.1070		mg/Kg		107	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1071		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1913		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-101451/1-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101451

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		01/29/25 09:27	01/29/25 07:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/29/25 09:27	01/29/25 07:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	01/29/25 09:27	01/29/25 07:56	1
o-Terphenyl	120		70 - 130	01/29/25 09:27	01/29/25 07:56	1

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1092		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-101451/2-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101451

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-101451/3-A

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1141		mg/Kg		114	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-53762-A-1-E MS

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1340	F1	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1394	F1	mg/Kg		140	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-53762-A-1-F MSD

Matrix: Solid

Analysis Batch: 101491

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101451

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 F1	998	1368	F1	mg/Kg		137	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1466	F1	mg/Kg		147	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	115		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101447/1-A

Matrix: Solid

Analysis Batch: 101465

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			01/29/25 16:58	1

Lab Sample ID: LCS 880-101447/2-A

Matrix: Solid

Analysis Batch: 101465

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-101447/3-A

Matrix: Solid

Analysis Batch: 101465

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	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-53763-A-10-B MS

Matrix: Solid

Analysis Batch: 101465

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	113	F1	249	390.5	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-53763-A-10-C MSD

Matrix: Solid

Analysis Batch: 101465

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	113	F1	249	390.5	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 101428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-101428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7606-A-16-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7606-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 101434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8021B	101428
MB 880-101428/5-A	Method Blank	Total/NA	Solid	8021B	101428
LCS 880-101428/1-A	Lab Control Sample	Total/NA	Solid	8021B	101428
LCSD 880-101428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101428
890-7606-A-16-C MS	Matrix Spike	Total/NA	Solid	8021B	101428
890-7606-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101428

Analysis Batch: 101514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 101451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015B NM	101451
MB 880-101451/1-A	Method Blank	Total/NA	Solid	8015B NM	101451
LCS 880-101451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101451
LCSD 880-101451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101451
880-53762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	101451
880-53762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101451

Analysis Batch: 101595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 101447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-101447/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 101447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53763-A-10-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53763-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 101465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53765-1	Backfill Sample	Soluble	Solid	300.0	101447
MB 880-101447/1-A	Method Blank	Soluble	Solid	300.0	101447
LCS 880-101447/2-A	Lab Control Sample	Soluble	Solid	300.0	101447
LCSD 880-101447/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101447
880-53763-A-10-B MS	Matrix Spike	Soluble	Solid	300.0	101447
880-53763-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	101447

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Client Sample ID: Backfill Sample
Date Collected: 01/27/25 00:00
Date Received: 01/29/25 08:35

Lab Sample ID: 880-53765-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	101428	01/29/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101434	01/29/25 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101514	01/29/25 13:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			101595	01/29/25 16:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101451	01/29/25 09:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101491	01/29/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101447	01/29/25 09:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101465	01/29/25 18:55	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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
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: Big Papi Fed Com 2H (1.02.25)

Job ID: 880-53765-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53765-1	Backfill Sample	Solid	01/27/25 00:00	01/29/25 08:35

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

Chain of Custody





880-53765 Chain of Custody

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

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
			1/26/83

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-53765-1
SDG Number: Eddy County, New Mexico

Login Number: 53765

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 503265

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500237535
Incident Name	NAPP2500237535 BIG PAPI FEDERAL COM 2H @ 30-015-37833
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-37833] BIG PAPI FEDERAL COM #002H

Location of Release Source*Please answer all the questions in this group.*

Site Name	Big Papi Federal Com 2H
Date Release Discovered	01/02/2025
Surface Owner	Federal

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	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
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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 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	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: 09/05/2025
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	503265
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 75 and 100 (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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
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	Between 1 and 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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
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)	240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1584
GRO+DRO (EPA SW-846 Method 8015M)	1260
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	01/24/2025
On what date will (or did) the final sampling or liner inspection occur	01/27/2025
On what date will (or was) the remediation complete(d)	01/28/2025
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	1644
What is the estimated volume (in cubic yards) that will be remediated	160
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	503265
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	fAPP2123262143 Red Bluff Gathering System
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: 09/05/2025
<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 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	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 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	1644
What was the total volume (cubic yards) remediated	160
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: 09/05/2025

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QUESTIONS, Page 7

Action 503265

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	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 503265

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 503265
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete". Please note that the sampling notification was submitted as a liner inspection.	10/8/2025