



## SITE INFORMATION

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### Closure Report

**Legacy Fed Unit 34H Flowline (07.31.2017)**

**Incident ID: nOY1722340557**

**Lea County, New Mexico**

**Unit C, Sec 13, T20S, R34E**

**32.579444°, -103.516944°**

### Crude Oil Release

**Point of Release: Flowline was Overpressured Causing a Rupture**

**Release Date: 07.31.2017**

**Volume Released: 8 barrels of Crude Oil**

**Volume Recovered: 0 Barrels of Crude Oil**

CARMONA RESOURCES



### Prepared for:

**Coterra Energy Operating Co.**

**6001 Deauville Blvd**

**Suite 300N**

**Midland, Texas 79706**

### Prepared by:

**Carmona Resources, LLC**

**310 West Wall Street**

**Suite 500**

**Midland, Texas 79701**

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May 6, 2026

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

**Re: Closure Report**  
**Legacy Federal Unit 34H Flowline (07.31.2017)**  
**Incident ID: nOY1722340557**  
**Coterra Energy Operating Co.**  
**Site Location: Unit C, S13, T20S, R34E**  
**(Lat 32.579444°, Long -103.516944°)**  
**Lea County, New Mexico**

To whom it may concern:

On behalf of Coterra Energy Operating Co. (Coterra, formerly known as Avant Operating LLC), Carmona Resources LLC has prepared this letter to document site assessment and remediation activities for the Legacy Federal Unit 34H Flowline. The site is located at 32.579444°, -103.516944° within Unit C, S13, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 31, 2017, due to the flowline over pressuring, causing the polyline to rupture. It was estimated that approximately eight (8) barrels of crude oil had been released, with zero (0) barrels of crude oil recovered. The spill boundaries are shown in Figure 3. The Initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.10 miles Southeast of the site in S13, T20S, R34E, and was drilled in 2025. The GWDB was drilled to a depth of 60 feet below ground surface (ft bgs) with groundwater detected at 52 ft bgs. A copy of the associated well log and plugging 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 were utilized in assessing and remediating the site.

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

### **4.0 Site Assessment Activities**

#### **Initial Assessment**

On February 9, 2026, Carmona Resources personnel performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) samples (S-1 through S-4) and four (4) horizontal samples (H-1 through H-4) were installed to total depths ranging from surface to 4.5 ft bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-



custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

#### Vertical Delineation

Vertical delineation was achieved in all areas for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1 for analytical results.

#### Horizontal Delineation

Horizontal delineation was achieved in all Horizontal Samples for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

### **5.0 Remediation Activities**

Beginning on March 10, 2026, Carmona Resources personnel were onsite 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 March 6, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area was excavated to depths ranging from 1.5 ft to 4.5 ft bgs. A total of fifteen (15) confirmation floor samples (CS-1 through CS-15), and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure the proper removal of the contaminated soil.

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

All final confirmation samples were below the regulatory requirements for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,231 square feet of contamination was remediated, resulting in approximately 565 cubic yards of material excavated and transported offsite for proper disposal. A composite backfill sample from the Smith Ranch Pit, located at 32.628757°, -103.611577°, was collected for laboratory analysis on March 11, 2026, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

### **6.0 Reclamation Activities**

Beginning on April 8, 2026, H&R Enterprises, LLC were onsite to backfill the excavated areas and begin reclamation activities. During the backfill process, the location was contoured to match the surrounding topography. Windrows and hummocks were constructed to promote soil stability and re-vegetation. On April 30, 2026, the entire area was reseeded with BLM #2 LPC seed mix via a tractor pulled seed drill. The estimated reclamation area is approximately 4,840 square feet. Semi-annual inspections (at a minimum) will take place at the location until the native vegetation has been properly established. The site conditions must reflect that the total percentage of plant cover is greater than 70 percent pre-disturbance levels, excluding invasive or noxious weeds. If noxious weeds are identified, the weeds will be promptly eradicated. If the site does not display signs of revegetation after one growing season, the area will be reseeded. See Figure 5 for the reclamation area.



**7.0 Conclusions**

Based on the assessment and analytical data from the remediation, no further actions are required at the site. Coterra formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,  
**Carmona Resources, LLC**

A handwritten signature in black ink, appearing to read 'Ashton'.

Ashton Thielke  
Director of Operations

A handwritten signature in black ink, appearing to read 'Gilbert Priego Jr.'.


Gilbert Priego Jr.  
Project Manager

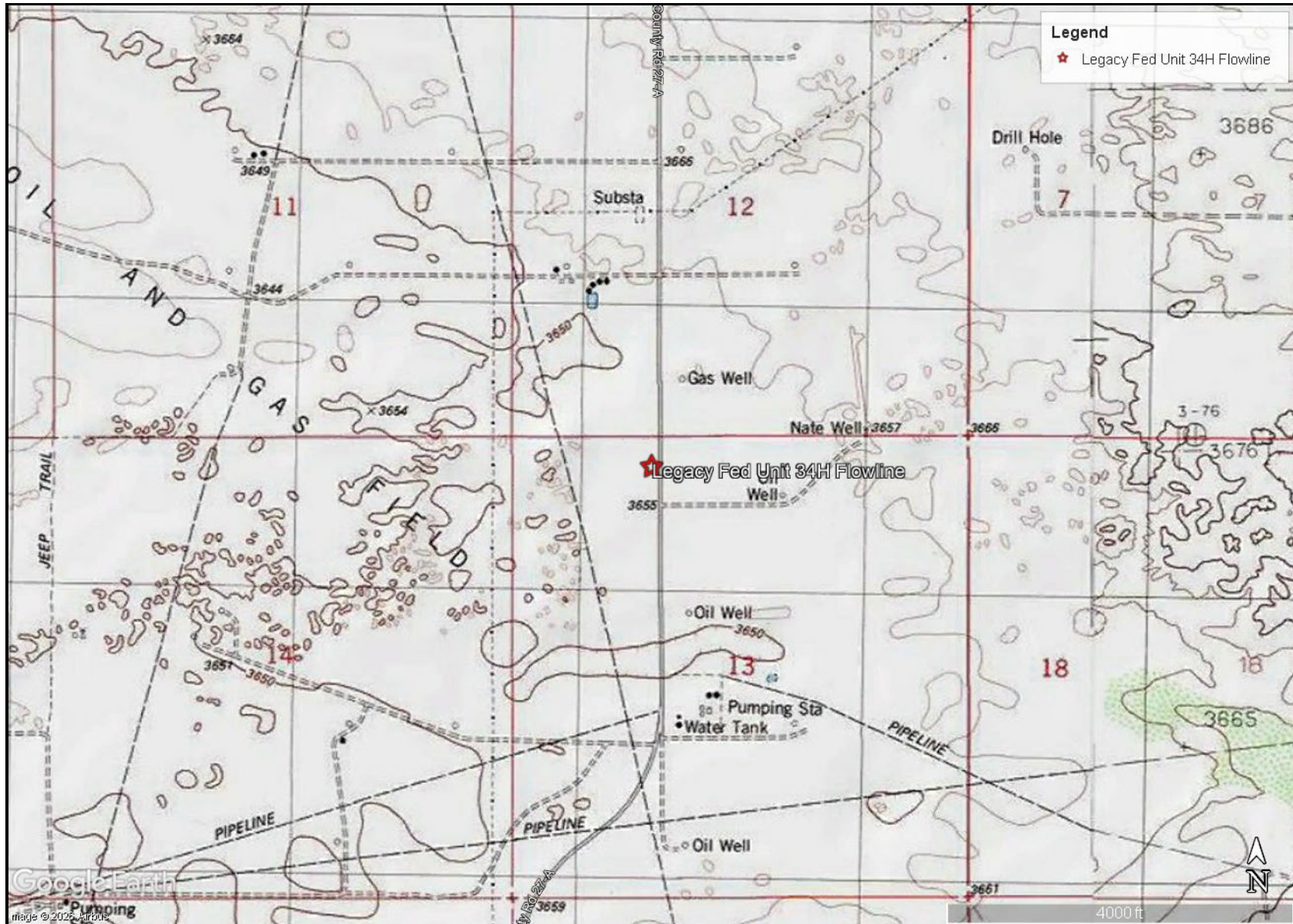
# FIGURES

CARMONA RESOURCES





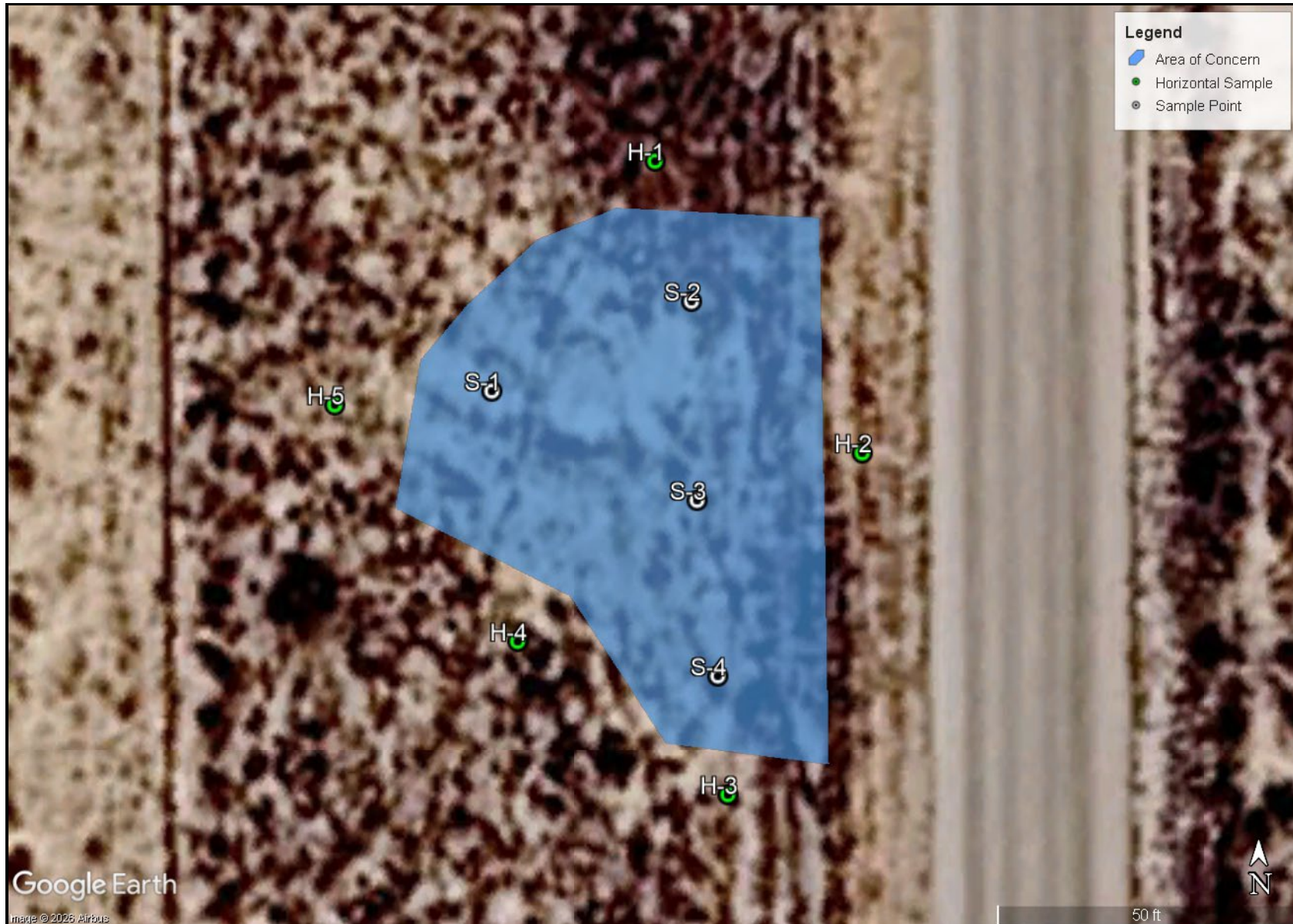
<p>OVERVIEW MAP COTERRA ENERGY OPERATING CO. LEGACY FED UNIT 34H FLOWLINE (07.31.2017) LEA COUNTY, NEW MEXICO 32.579444°, -103.516944°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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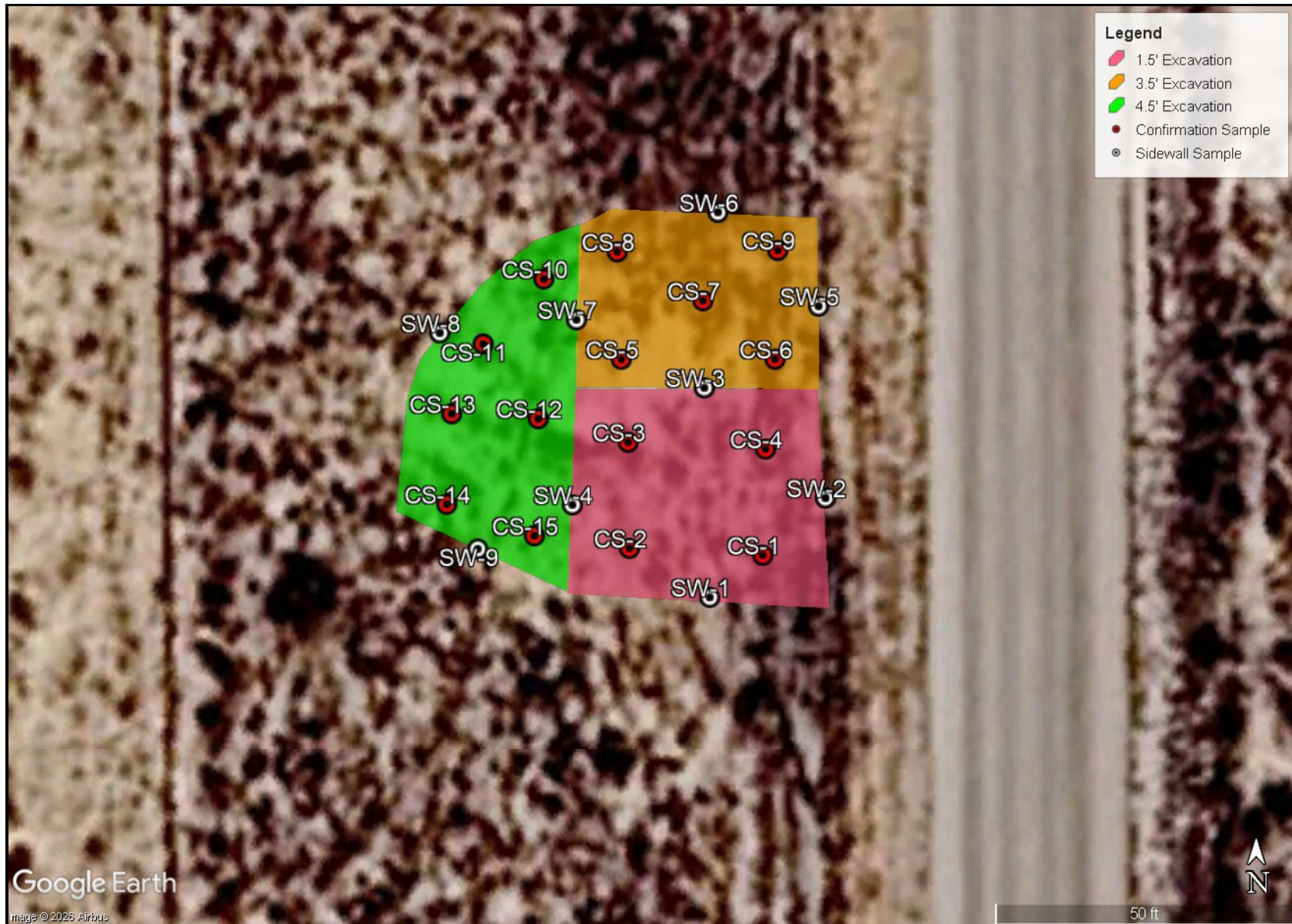
TOPOGRAPHIC MAP  
 COTERRA ENERGY OPERATING CO.  
 LEGACY FED UNIT 34H FLOWLINE (07.31.2017)  
 LEA COUNTY, NEW MEXICO  
 32.579444°, -103.516944°



FIGURE 2



<p>SAMPLE LOCATION MAP COTERRA ENERGY OPERATING CO. LEGACY FED UNIT 34H FLOWLINE (07.31.2017) LEA COUNTY, NEW MEXICO 32.579444°, -103.516944°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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Google Earth  
image © 2026 Airbus

50 ft

EXCAVATION DEPTH MAP  
COTERRA ENERGY OPERATING CO.  
LEGACY FED UNIT 34H FLOWLINE (07.31.2017)  
LEA COUNTY, NEW MEXICO  
32.579444°, -103.516944°

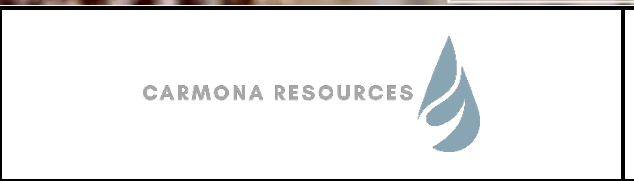
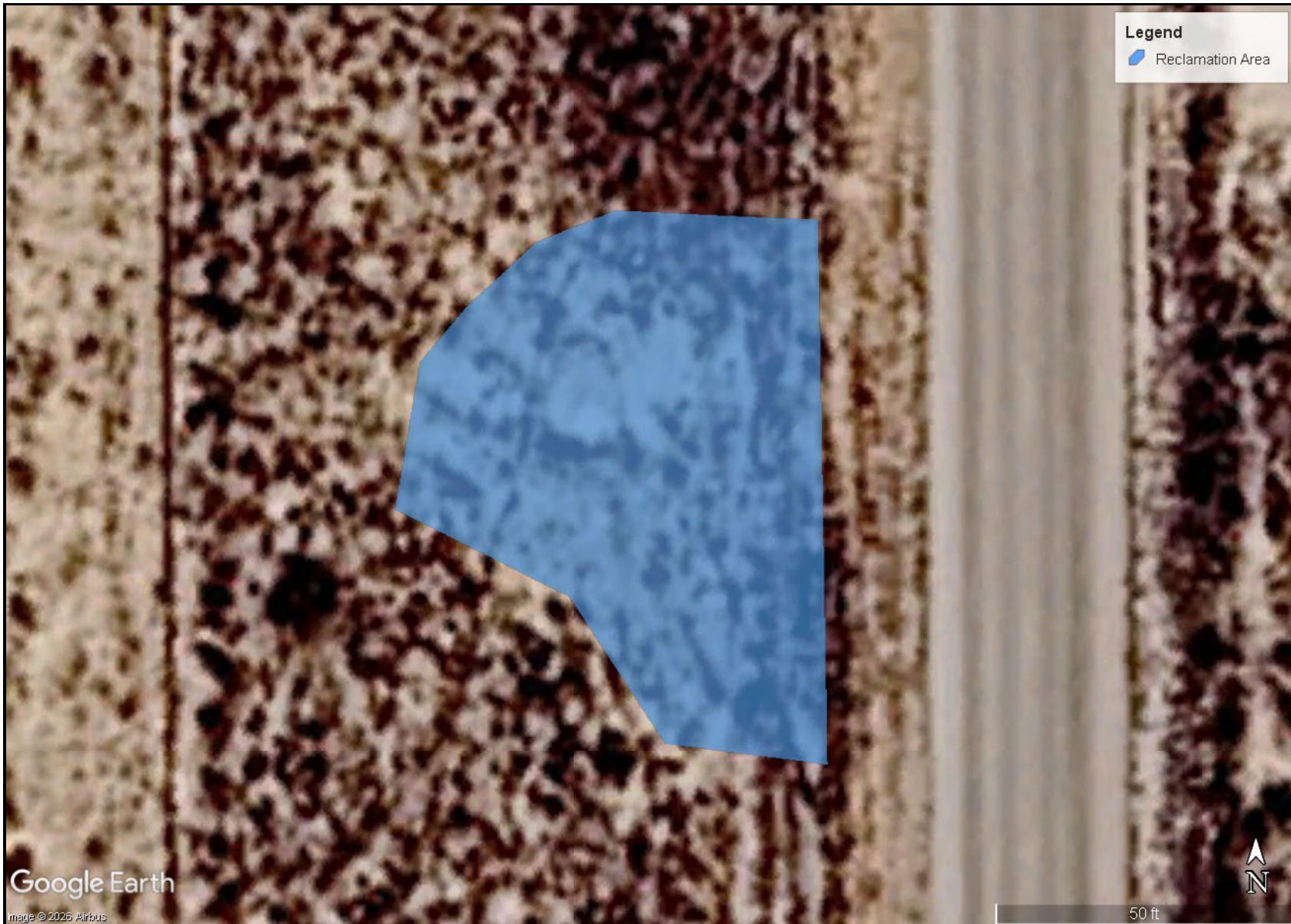



FIGURE 4



<p>RECLAMATION AREA MAP COTERRA ENERGY OPERATING CO. LEGACY FED UNIT 34H FLOWLINE (07.31.2017) LEA COUNTY, NEW MEXICO 32.579444°, -103.516944°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 5</p>
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# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Coterra Energy Operating Co.**  
**Legacy Fed Unit 34H Flowline (07.31.2017)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	2/9/2026	0-1'	<50.0	<b>320</b>	<b>111</b>	<b>431</b>	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<b>728</b>
	"	2'	<50.1	<50.1	<50.1	<50.1	0.00203	<0.00201	<0.00201	<0.00402	<0.00402	343
	"	3'	<49.8	<b>492</b>	<b>134</b>	<b>626</b>	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<b>654</b>
	"	4'	<49.8	<b>1,260</b>	<b>254</b>	<b>1,510</b>	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	556
	"	4.5'	<49.9	220	144	364	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	646
<b>S-2</b>	2/9/2026	0-1'	<49.7	<b>369</b>	<b>177</b>	<b>546</b>	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
	"	2'	<50.2	<b>236</b>	78.3	<b>314</b>	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.9
	"	3'	<49.9	<b>770</b>	<b>186</b>	<b>956</b>	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	61.6
	"	4'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	92.2
	"	4.5'	<50.0	114	98.2	212	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	195
<b>S-3</b>	2/9/2026	0-1'	<49.6	<b>402</b>	<b>110</b>	<b>512</b>	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<10.1
	"	2'	<49.9	<49.9	<49.9	<49.9	0.00312	<0.00201	<0.00201	<0.00402	<0.00402	21.9
	"	3'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	29.5
	"	4'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	170
<b>S-4</b>	2/9/2026	0-1'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.7
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.98
	"	3'	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	18.0
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.5
	"	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	19.8
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>			<b>2,500 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>10,000 mg/kg</b>	

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

Excavated

**Table 1**  
**Coterra Energy Operating Co.**  
**Legacy Fed Unit 34H Flowline (07.31.2017)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	2/9/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.1
H-2	2/9/2026	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
H-3	2/9/2026	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.96
H-4	2/9/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	116
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) - Horizontal Sample

**Table 2  
Coterra Energy Operating Co.  
Legacy Fed Unit 34H Flowline (07.31.2017)  
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/11/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.92
CS-2	3/11/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
CS-3	3/11/2026	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	20.5
CS-4	3/11/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.0
CS-5	3/11/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	20.0
CS-6	3/11/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.2
CS-7	3/11/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
CS-8	3/11/2026	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	13.0
CS-9	3/11/2026	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
CS-10	3/11/2026	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
CS-11	3/11/2026	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.92
CS-12	3/11/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.1
CS-13	3/11/2026	4.5'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
CS-14	3/11/2026	4.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
CS-15	3/11/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>2,500 mg/kg</b>		<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>10,000 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

**Table 2**  
**Coterra Energy Operating Co.**  
**Legacy Fed Unit 34H Flowline (07.31.2017)**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>SW-1</b>	3/11/2026	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
<b>SW-2</b>	3/11/2026	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
<b>SW-3</b>	3/11/2026	1.5'-3.5'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
<b>SW-4</b>	3/11/2026	1.5'-4.5'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
<b>SW-5</b>	3/11/2026	3.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.92
<b>SW-6</b>	3/11/2026	3.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.98
<b>SW-7</b>	3/11/2026	3.5'-4.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.1
<b>SW-8</b>	3/11/2026	4.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
<b>SW-9</b>	3/11/2026	4.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
<b>Backfill Sample</b>	3/11/2026	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	0.00208	<0.00402	<0.00402	14.6
<b>Regulatory Criteria<sup>A</sup></b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## Coterra Energy Operating Co.

### Photograph No. 1

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View North, Area of CS-1 through CS-4.



### Photograph No. 2

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Northeast, Area of CS-1 through CS-4.

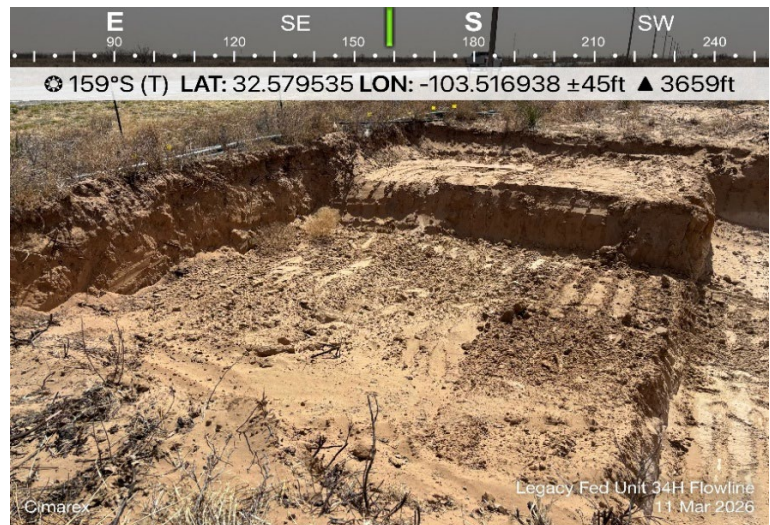


### Photograph No. 3

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View South, Area of CS-5 through CS-9.



# PHOTOGRAPHIC LOG

## Coterra Energy Operating Co.

### Photograph No. 4

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Southwest, Area of CS-5 through CS-9.



### Photograph No. 5

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Northwest, Area of CS-10 through CS-15.

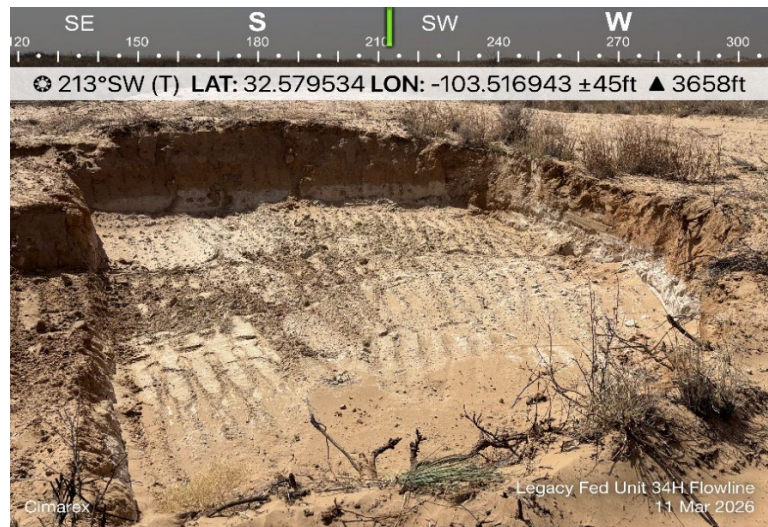


### Photograph No. 6

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Southwest, Area of CS-10 through CS-15.



# PHOTOGRAPHIC LOG

## Coterra Energy Operating Co.

### Photograph No. 7

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View West of backfilled area.



### Photograph No. 8

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Northeast of backfilled area.



### Photograph No. 9

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View Southwest of backfilled area.



# PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

## Photograph No. 10

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
Seed tag.



Coterra-Legacy Fed Unit 34H -0.5 Acre Bag  
Lot #: 21-4419.BLM LPC  
Pounds: 31.23

Item	% Pure Mix	Origin	Purity	Germ	Dormant	Total Germ:	Test Date
BLM LPC Seed Mix	0.00%		72.59%	92.28%	4.45%	96.73%	3/2026
Sand Dropseed, Variety Not Stated	0.00%	OK	98.64%	93.00%	5.00%	98.00%	1/2026
Coreopsis, Plains	0.00%	Oregon	98.69%	99.00%	0.00%	99.00%	3/2026
Big Bluestem, Variety Not Stated	0.00%	Minnesota	95.74%	93.00%	6.00%	99.00%	9/2024
Little Bluestem, Variety Not Stated	0.00%	Oklahoma	47.39%	84.00%	15.00%	99.00%	3/2026
Sand Bluestem, Gadsden	0.00%	Nebraska	65.09%	96.00%	0.00%	98.00%	11/2025
Plains Bristlegrass, Variety Not Stated	0.00%	OK	60.05%	92.00%	0.00%	92.00%	10/2025
<b>Seed Total</b>	<b>0.00%</b>						
Weed Seed:	0.00%						
Other Crop:	0.00%						
Inert Matter:	0.00%						

Noxious Weed: NONE

Texas Permit: 277

Plant at 62 4539 bu/acre pounds per acre

curtisseed.com

4500 North Prince, Clovis, NM 88101

(575) 762-4759

## Photograph No. 11

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View of reseeding in progress.



## Photograph No. 12

**Facility:** Legacy Fed Unit 34H Flowline  
(07.31.2017)

**County:** Lea County, New Mexico

**Description:**  
View of reseeding in progress.



## APPENDIX C

CARMONA RESOURCES



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

Initial Report     Final Report

Name of Company	Legacy Reserves	Contact	Brian Cunningham
Address		Telephone No.	432-234-9450
Facility Name	Lea Fed Unit 34H	Facility Type	oil well
Surface Owner	Fee	Mineral Owner	BLM
		API No.	#30-025-42344

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	13	20S	34E	2' FNL	North	1690' FEL	East	Lea

Latitude 32°34' 46" N    Longitude 103°31' 1" W    NAD83

32.579444, -103.516944

#### NATURE OF RELEASE

Type of Release Flow line	oil	Volume of Release 8BBLs	Volume Recovered
Source of Release Well	oil	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	4:00 PM
By Whom? Pumper		Date and Hour	4:00PM
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

**RECEIVED**  
By Olivia Yu at 11:01 am, Aug 11, 2017

Describe Cause of Problem and Remedial Action Taken.\*

Flowline was over pressured causing poly line to rupture well was immediately shut off all fluids where absorbed by sandy surface

Describe Area Affected and Cleanup Action Taken.\*

Affected area was is approximately 100by75 most of the affected area includes overspray.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	<i>Brian Cunningham</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Brian Cunningham	Approved by Environmental Specialist:	<i>[Signature]</i>
Title:	Production Foreman	Approval Date:	8/11/2017
E-mail Address:	b Cunningham@legacylp.com	Expiration Date:	
Date:	8/4/17	Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Phone:	432-234-9450	see attached directive	

\* Attach Additional Sheets If Necessary

1RP-4780    nOY1722340557    fOY1722340420  
pOY1722341291

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 560555

**QUESTIONS**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 560555
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nOY1722340557
Incident Name	NOY1722340557 LEGACY FED UNIT 34H FLOWLINE @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fOY1722340420] Legacy Fed Unit 34H flowline

<b>Location of Release Source</b>	
Site Name	LEGACY FED UNIT 34H FLOWLINE
Date Release Discovered	07/31/2017
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,100
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/11/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources 432-813-8988 Will be onsite to remediate the historical release. Recent site assessment onsite resulted in contamination still onsite.
Please provide any information necessary for navigation to sampling site	32.579444,-103.516944

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 560555

**CONDITIONS**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 560555
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
athielke	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/6/2026
athielke	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	3/6/2026

## APPENDIX D





CARMONA RESOURCES

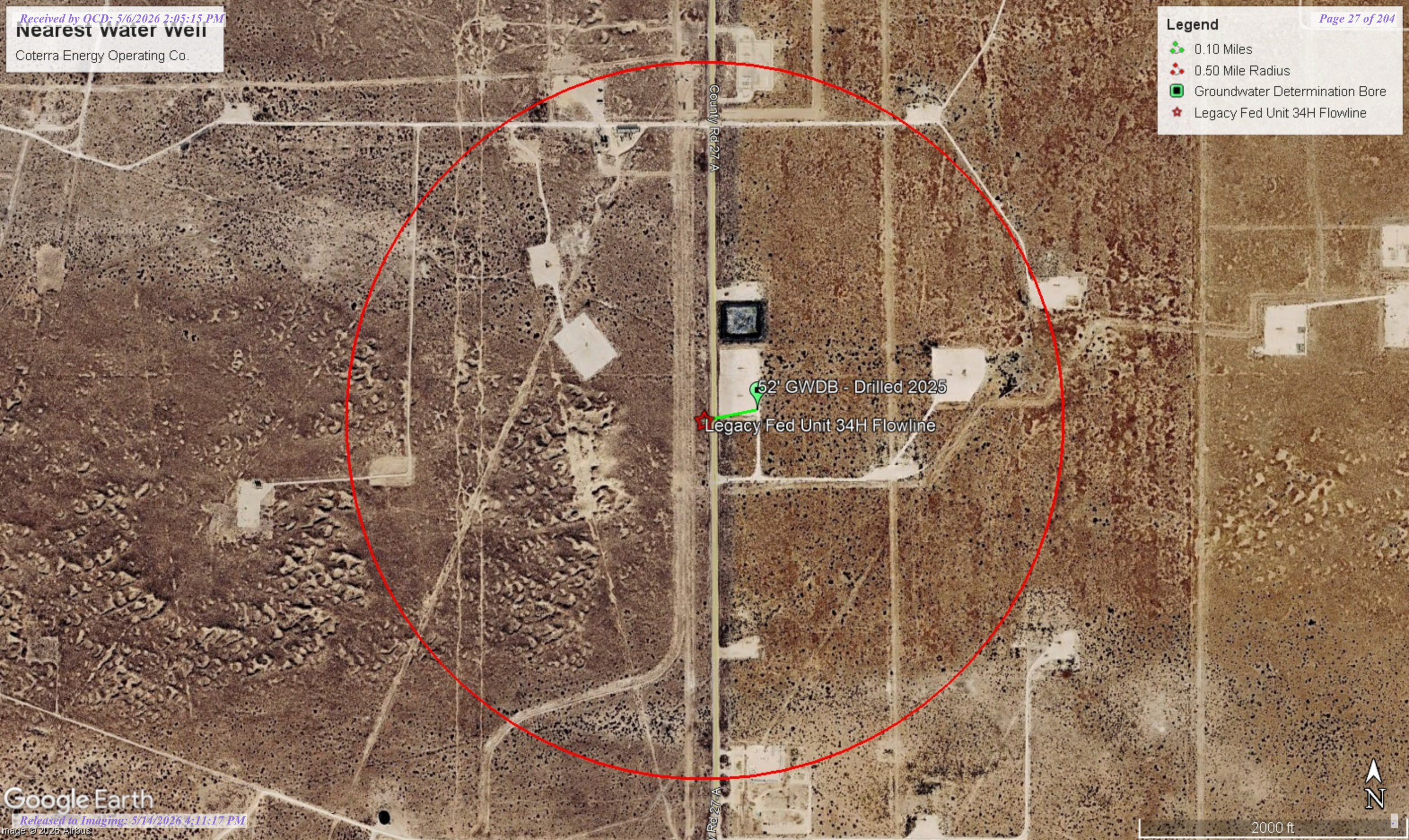


### Nearest water well

Coterra Energy Operating Co.

**Legend**

-  0.10 Miles
-  0.50 Mile Radius
-  Groundwater Determination Bore
-  Legacy Fed Unit 34H Flowline



52' GWDB - Drilled 2025

Legacy Fed Unit 34H Flowline

County Rd 27 A

Rd 27 A



Legend

- Legacy Fed Unit 34H Flowline
- Low

Low Karst

Coterra Energy Operating Co.

County Rd 27-A

Legacy Fed Unit 34H Flowline

Rd 27-A





# 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
<a href="#">CP 02092 POD1</a>		CP	LE	NE	NE	NW	13	20S	34E	639320.6	3605662.2	●	122	60	52	8
<a href="#">CP 00654 POD1</a>		CP	LE		SE	SE	12	20S	34E	640103.0	3605947.0 *	●	954	60		
<a href="#">CP 02083 POD1</a>		CP	LE	SE	NW	NW	12	20S	34E	638959.6	3607049.5	●	1434	105		
<a href="#">CP 00655 POD1</a>		CP	LE		SW	NW	14	20S	34E	637294.0	3605108.0 *	●	1978	210		
<a href="#">L 04157</a>		L	LE		SW	SW	06	20S	35E	640483.0	3607561.0 *	●	2312	70	64	6
<a href="#">CP 02095 POD1</a>		CP	LE	NE	NW	SE	24	20S	34E	639936.5	3603209.7	●	2535	105		
<a href="#">CP 00665</a>		CP	LE		NW	SE	24	20S	34E	639740.0	3603128.0 *	●	2565	698	270	428
<a href="#">CP 00800 POD1</a>		CP	LE	NE	NE	NE	22	20S	34E	637007.0	3603994.0 *	●	2740	220		
<a href="#">L 15987 POD1</a>		L	LE	NW	NW	SE	19	20S	35E	641197.3	3603153.5	●	3185	105		
<a href="#">CP 01204 POD1</a>		CP	LE	SW	NW	NW	25	20S	34E	638755.1	3602250.6	●	3414	370		

Average Depth to Water: **128 feet**

Minimum Depth: **52 feet**

Maximum Depth: **270 feet**

**Record Count:** 10

**UTM Filters (in meters):**

**Easting:** 639201.02

**Northing:** 3605635.85

**Radius:** 4000

\* UTM location was derived from PLSS - see Help

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



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

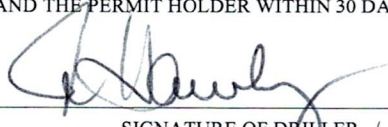
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-02092	
	WELL OWNER NAME(S) Coterra Energy Co.				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 840 Gessner Rd. Ste. 1400				CITY Houston	STATE TX
					ZIP 77024	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 34	SECONDS 46.8	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE 103	30	56.4	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S13 T20s R34e						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 11-17-25	DRILLING ENDED 11-17-25	DEPTH OF COMPLETED WELL (FT) 60'	BORE HOLE DEPTH (FT) 60'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 11-25-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	60'	6'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0'	10'	10'	Sand	Y	✓ N	
	10'	20'	10'	Sandy Caliche	Y	✓ N	
	20'	45'	25'	Sand	Y	✓ N	
	45'	60'	15'	Sandy Red Clay	✓ Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
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					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 11-25-25. DTGW bore was wet at 52'. Temporary well casing was removed, bore hole was plugged by Tremie with hydrated bentonite hole plug to surface.						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				James Hawley _____ DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2	



# PLUGGING RECORD



**NOTE:** A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-02092

Well owner: Coterra Energy Co.

Phone No.: 432-208-3035

Mailing address: 840 Gessner Rd. Ste. 1400

City: Houston

State: TX

Zip code: 77024-4152

## II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: H&R Enterprises, LLC

2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer

4) Date well plugging began: 11/25/25 Date well plugging concluded: 11/25/25

5) GPS Well Location: Latitude: 32 deg, 34 min, 46.8 sec  
Longitude: 103 deg, 30 min, 56.4 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 60' ft below ground level (bgl),  
by the following manner: Well Sounder

7) Static water level measured at initiation of plugging: 52' ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 9/29/25

9) Were all plugging activities consistent with an approved plugging plan? no If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

In the approved plugging plan, we were planning on plugging from 105' BGS to surface. We did encounter water during drilling at 52', driller stopped at 60'. The well is plugged from 60' BGS to surface with hydrated bentonite hole plug.

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0' - 60'	Hydrated Bentonite	Approx. 39 gallons	39 gallons	Tremie Pipe	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

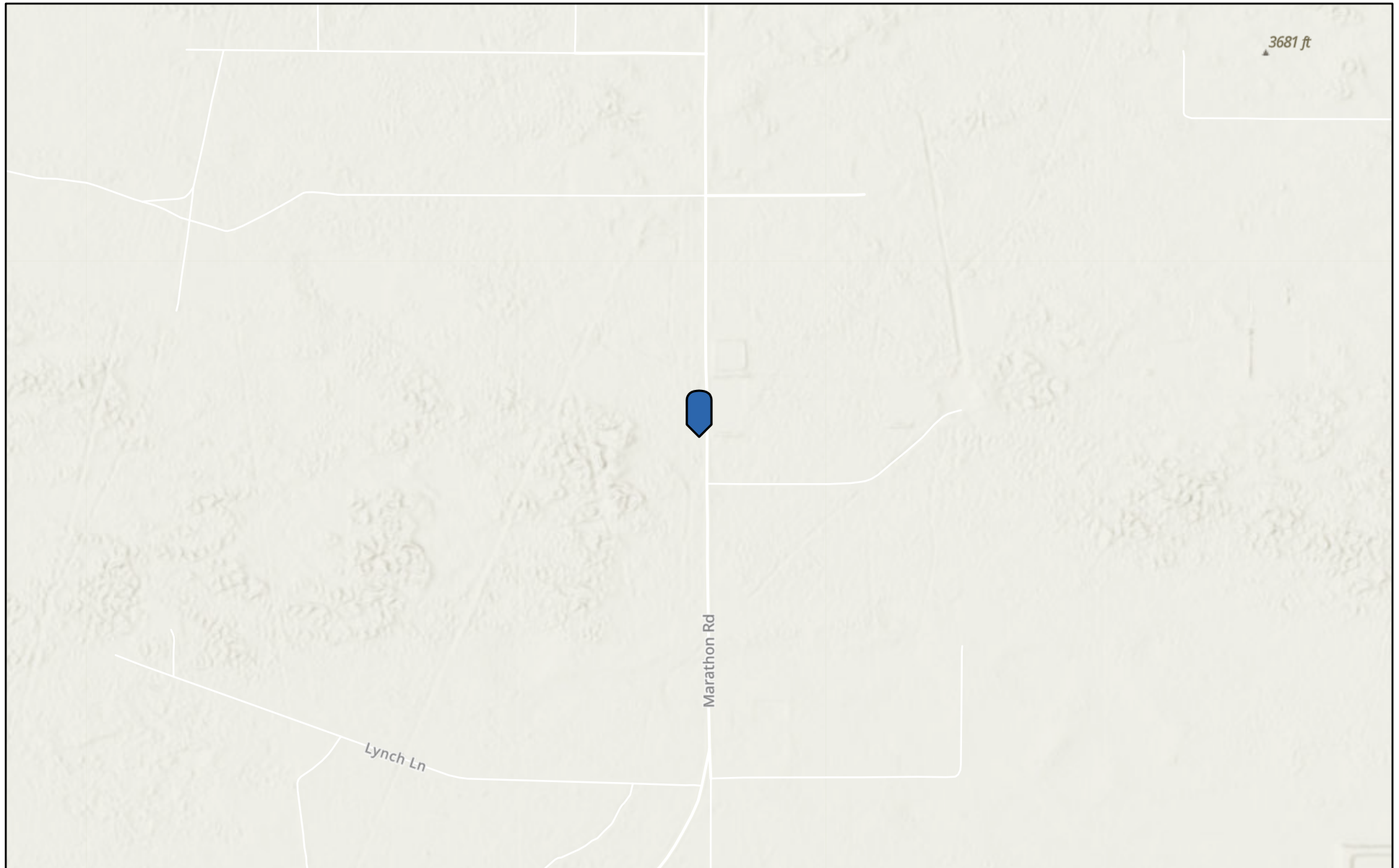
**III. SIGNATURE:**

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

  
 \_\_\_\_\_  
 Signature of Well Driller

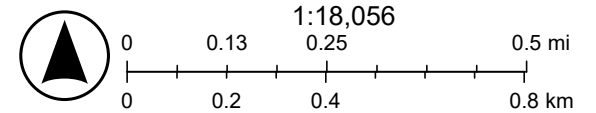
12/1/25  
 \_\_\_\_\_  
 Date

# Legacy Fed Unit 34H Flowline



3/25/2026

World\_Hillshade



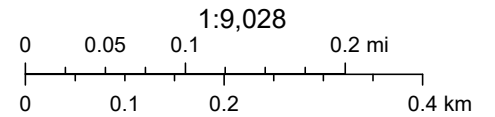
Source: FEMA, Esri, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Esri, NASA,

# Legacy Fed Unit 34H Flowline



3/25/2026, 4:49:34 PM

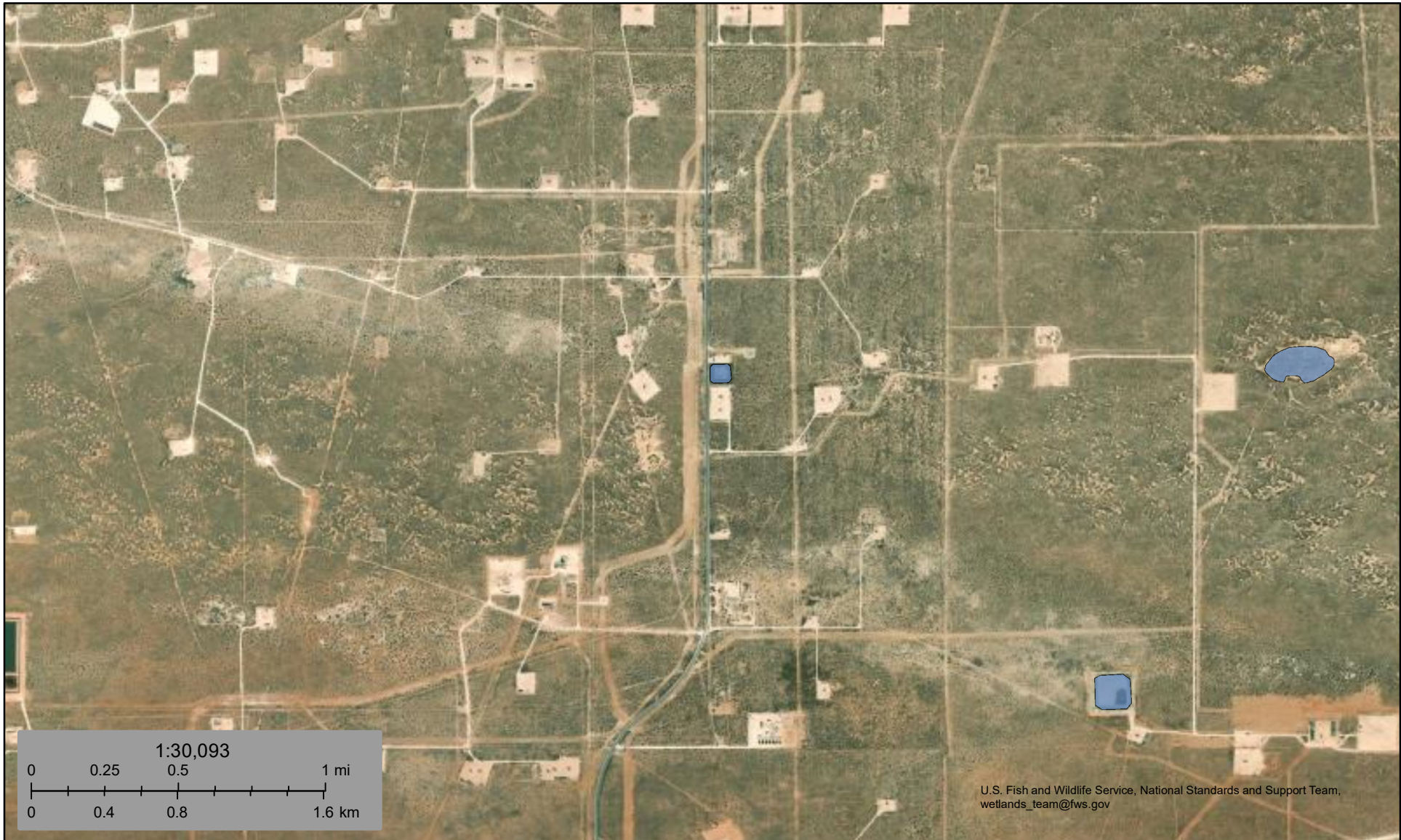
  OSW Water Bodies



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



# Legacy Fed Unit 34H Flowline



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

March 25, 2026

### Wetlands

- |                                |                                   |          |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland       | Lake     |
| Estuarine and Marine Wetland   | Freshwater Forested/Shrub Wetland | Other    |
|                                | Freshwater Pond                   | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

## APPENDIX E

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/13/2026 1:18:18 PM

## JOB DESCRIPTION

Legacy Fed Unit 34H Flowline  
 Lea County New Mexico

## JOB NUMBER

880-68080-1

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  
2/13/2026 1:18:18 PM

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

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Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Laboratory Job ID: 880-68080-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
SDG: Lea County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
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: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1

**Job ID: 880-68080-1**

**Eurofins Midland**

### Job Narrative 880-68080-1

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

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

#### Receipt

The samples were received on 2/10/2026 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

#### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (4') (880-68080-4), S-1 (4.5') (880-68080-5), S-2 (0-1') (880-68080-6), S-2 (2') (880-68080-7), S-2 (3') (880-68080-8), S-2 (4') (880-68080-9) and S-2 (4.5') (880-68080-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-131465/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-68080-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-131433 and analytical batch 880-131620 were outside control limits for Chloride. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-1 (0-1') (880-68080-1), S-1 (2') (880-68080-2), S-1 (3') (880-68080-3), S-1 (4') (880-68080-4), S-1 (4.5') (880-68080-5), S-2 (0-1') (880-68080-6), S-2 (2') (880-68080-7), S-2 (3') (880-68080-8), S-2 (4') (880-68080-9), S-2 (4.5') (880-68080-10), (880-68080-A-1-B MS) and (880-68080-A-1-C MSD).

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: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68080-1**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/11/26 12:31	02/12/26 14:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/11/26 12:31	02/12/26 14:50	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/12/26 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	431		50.0		mg/Kg			02/12/26 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/26 10:43	02/12/26 18:16	1
Diesel Range Organics (Over C10-C28)	320		50.0		mg/Kg		02/11/26 10:43	02/12/26 18:16	1
Oil Range Organics (Over C28-C36)	111		50.0		mg/Kg		02/11/26 10:43	02/12/26 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	02/11/26 10:43	02/12/26 18:16	1
o-Terphenyl (Surr)	104		70 - 130	02/11/26 10:43	02/12/26 18:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	728	F1	9.96		mg/Kg			02/12/26 21:09	1

**Client Sample ID: S-1 (2')**

**Lab Sample ID: 880-68080-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00203		0.00201		mg/Kg		02/11/26 12:31	02/12/26 15:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 15:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 15:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 15:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 15:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/11/26 12:31	02/12/26 15:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/11/26 12:31	02/12/26 15:11	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-1 (2')**

**Lab Sample ID: 880-68080-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/12/26 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<501	U	501		mg/Kg			02/12/26 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<501	U	501		mg/Kg		02/11/26 10:43	02/12/26 19:00	1
Diesel Range Organics (Over C10-C28)	<501	U	501		mg/Kg		02/11/26 10:43	02/12/26 19:00	1
Oil Range Organics (Over C28-C36)	<501	U	501		mg/Kg		02/11/26 10:43	02/12/26 19:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	101		70 - 130				02/11/26 10:43	02/12/26 19:00	1
o-Terphenyl (Surr)	96		70 - 130				02/11/26 10:43	02/12/26 19:00	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	343		10.1		mg/Kg			02/12/26 21:29	1

**Client Sample ID: S-1 (3')**

**Lab Sample ID: 880-68080-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 15:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	102		70 - 130				02/11/26 12:31	02/12/26 15:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/11/26 12:31	02/12/26 15:31	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/12/26 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	626		49.8		mg/Kg			02/12/26 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/11/26 10:43	02/12/26 19:15	1
Diesel Range Organics (Over C10-C28)	492		49.8		mg/Kg		02/11/26 10:43	02/12/26 19:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-1 (3')**

**Lab Sample ID: 880-68080-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	134		49.8		mg/Kg		02/11/26 10:43	02/12/26 19:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	87		70 - 130				02/11/26 10:43	02/12/26 19:15	1
o-Terphenyl (Surr)	83		70 - 130				02/11/26 10:43	02/12/26 19:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	654		10.1		mg/Kg			02/12/26 21:36	1

**Client Sample ID: S-1 (4')**

**Lab Sample ID: 880-68080-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 15:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	70		70 - 130				02/11/26 12:31	02/12/26 15:58	1
1,4-Difluorobenzene (Surr)	73		70 - 130				02/11/26 12:31	02/12/26 15:58	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			02/12/26 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1510		49.8		mg/Kg			02/12/26 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/11/26 10:43	02/12/26 19:29	1
Diesel Range Organics (Over C10-C28)	1260		49.8		mg/Kg		02/11/26 10:43	02/12/26 19:29	1
Oil Range Organics (Over C28-C36)	254		49.8		mg/Kg		02/11/26 10:43	02/12/26 19:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	111		70 - 130				02/11/26 10:43	02/12/26 19:29	1
o-Terphenyl (Surr)	104		70 - 130				02/11/26 10:43	02/12/26 19:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	556		9.90		mg/Kg			02/12/26 21:43	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-1 (4.5')**

**Lab Sample ID: 880-68080-5**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 16:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 16:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 16:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 16:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 16:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130	02/11/26 12:31	02/12/26 16:19	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/11/26 12:31	02/12/26 16:19	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			02/12/26 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	364		49.9		mg/Kg			02/12/26 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 19:45	1
Diesel Range Organics (Over C10-C28)	220		49.9		mg/Kg		02/11/26 10:43	02/12/26 19:45	1
Oil Range Organics (Over C28-C36)	144		49.9		mg/Kg		02/11/26 10:43	02/12/26 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	02/11/26 10:43	02/12/26 19:45	1
o-Terphenyl (Surr)	83		70 - 130	02/11/26 10:43	02/12/26 19:45	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	646		10.1		mg/Kg			02/12/26 21:49	1

**Client Sample ID: S-2 (0-1')**

**Lab Sample ID: 880-68080-6**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 16:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 16:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	02/11/26 12:31	02/12/26 16:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/11/26 12:31	02/12/26 16:39	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-2 (0-1')**

**Lab Sample ID: 880-68080-6**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**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			02/12/26 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	546		49.7		mg/Kg			02/12/26 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/11/26 10:43	02/12/26 19:59	1
Diesel Range Organics (Over C10-C28)	369		49.7		mg/Kg		02/11/26 10:43	02/12/26 19:59	1
Oil Range Organics (Over C28-C36)	177		49.7		mg/Kg		02/11/26 10:43	02/12/26 19:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	104		70 - 130				02/11/26 10:43	02/12/26 19:59	1
o-Terphenyl (Surr)	98		70 - 130				02/11/26 10:43	02/12/26 19:59	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/12/26 22:09	1

**Client Sample ID: S-2 (2')**

**Lab Sample ID: 880-68080-7**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 17:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130				02/11/26 12:31	02/12/26 17:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130				02/11/26 12:31	02/12/26 17:00	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/12/26 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	314		50.2		mg/Kg			02/12/26 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/11/26 10:43	02/12/26 20:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-2 (2')**

**Lab Sample ID: 880-68080-7**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	236		50.2		mg/Kg		02/11/26 10:43	02/12/26 20:15	1
Oil Range Organics (Over C28-C36)	78.3		50.2		mg/Kg		02/11/26 10:43	02/12/26 20:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	89		70 - 130				02/11/26 10:43	02/12/26 20:15	1
o-Terphenyl (Surr)	87		70 - 130				02/11/26 10:43	02/12/26 20:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		9.96		mg/Kg			02/12/26 22:16	1

**Client Sample ID: S-2 (3')**

**Lab Sample ID: 880-68080-8**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 17:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	42	S1-	70 - 130				02/11/26 12:31	02/12/26 17:20	1
1,4-Difluorobenzene (Surr)	83		70 - 130				02/11/26 12:31	02/12/26 17:20	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/12/26 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	956		49.9		mg/Kg			02/12/26 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 20:30	1
Diesel Range Organics (Over C10-C28)	770		49.9		mg/Kg		02/11/26 10:43	02/12/26 20:30	1
Oil Range Organics (Over C28-C36)	186		49.9		mg/Kg		02/11/26 10:43	02/12/26 20:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	93		70 - 130				02/11/26 10:43	02/12/26 20:30	1
o-Terphenyl (Surr)	90		70 - 130				02/11/26 10:43	02/12/26 20:30	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-2 (3')**

**Lab Sample ID: 880-68080-8**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		10.1		mg/Kg			02/12/26 22:23	1

**Client Sample ID: S-2 (4')**

**Lab Sample ID: 880-68080-9**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 17:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 17:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 17:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 17:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 17:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	47	S1-	70 - 130	02/11/26 12:31	02/12/26 17:41	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/11/26 12:31	02/12/26 17:41	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			02/12/26 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/26 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 20:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 20:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	02/11/26 10:43	02/12/26 20:46	1
o-Terphenyl (Surr)	87		70 - 130	02/11/26 10:43	02/12/26 20:46	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.2		10.1		mg/Kg			02/12/26 22:29	1

**Client Sample ID: S-2 (4.5')**

**Lab Sample ID: 880-68080-10**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 18:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 18:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 18:02	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-2 (4.5')**

**Lab Sample ID: 880-68080-10**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 18:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 18:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130				02/11/26 12:31	02/12/26 18:02	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/11/26 12:31	02/12/26 18:02	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			02/12/26 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	212		50.0		mg/Kg			02/12/26 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/26 10:43	02/12/26 21:00	1
Diesel Range Organics (Over C10-C28)	114		50.0		mg/Kg		02/11/26 10:43	02/12/26 21:00	1
Oil Range Organics (Over C28-C36)	98.2		50.0		mg/Kg		02/11/26 10:43	02/12/26 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130				02/11/26 10:43	02/12/26 21:00	1
o-Terphenyl (Surr)	94		70 - 130				02/11/26 10:43	02/12/26 21:00	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		9.90		mg/Kg			02/12/26 22:36	1

**Client Sample ID: S-3 (0-1')**

**Lab Sample ID: 880-68080-11**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/26 12:31	02/12/26 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/11/26 12:31	02/12/26 21:31	1
1,4-Difluorobenzene (Surr)	86		70 - 130				02/11/26 12:31	02/12/26 21:31	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			02/12/26 21:31	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (0-1')**

**Lab Sample ID: 880-68080-11**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	512		49.6		mg/Kg			02/12/26 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 21:30	1
Diesel Range Organics (Over C10-C28)	402		49.6		mg/Kg		02/11/26 10:43	02/12/26 21:30	1
Oil Range Organics (Over C28-C36)	110		49.6		mg/Kg		02/11/26 10:43	02/12/26 21:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	86		70 - 130				02/11/26 10:43	02/12/26 21:30	1
o-Terphenyl (Surr)	87		70 - 130				02/11/26 10:43	02/12/26 21:30	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/12/26 22:43	1

**Client Sample ID: S-3 (2')**

**Lab Sample ID: 880-68080-12**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00312		0.00201		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 21:52	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				02/11/26 12:31	02/12/26 21:52	1
1,4-Difluorobenzene (Surr)	90		70 - 130				02/11/26 12:31	02/12/26 21:52	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/12/26 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/26 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 21:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 21:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 21:45	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (2')**

**Lab Sample ID: 880-68080-12**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	02/11/26 10:43	02/12/26 21:45	1
o-Terphenyl (Surr)	97		70 - 130	02/11/26 10:43	02/12/26 21:45	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9		9.90		mg/Kg			02/12/26 23:03	1

**Client Sample ID: S-3 (3')**

**Lab Sample ID: 880-68080-13**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 22:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 22:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 22:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/26 12:31	02/12/26 22:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 22:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/26 12:31	02/12/26 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/11/26 12:31	02/12/26 22:12	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/11/26 12:31	02/12/26 22:12	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			02/12/26 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/26 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/11/26 10:43	02/12/26 21:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/11/26 10:43	02/12/26 21:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/11/26 10:43	02/12/26 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	02/11/26 10:43	02/12/26 21:59	1
o-Terphenyl (Surr)	85		70 - 130	02/11/26 10:43	02/12/26 21:59	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		10.1		mg/Kg			02/12/26 23:10	1

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (4')**

**Lab Sample ID: 880-68080-14**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 22:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 22:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 22:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 22:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/12/26 22:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/12/26 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/11/26 12:31	02/12/26 22:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/11/26 12:31	02/12/26 22:32	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			02/12/26 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/12/26 22:14	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	<50.3	U	50.3		mg/Kg		02/11/26 10:43	02/12/26 22:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/11/26 10:43	02/12/26 22:14	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/11/26 10:43	02/12/26 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	02/11/26 10:43	02/12/26 22:14	1
o-Terphenyl (Surr)	98		70 - 130	02/11/26 10:43	02/12/26 22:14	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		10.0		mg/Kg			02/12/26 23:30	1

**Client Sample ID: S-3 (4.5')**

**Lab Sample ID: 880-68080-15**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 22:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 22:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 22:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 22:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/12/26 22:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/12/26 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/11/26 12:31	02/12/26 22:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/11/26 12:31	02/12/26 22:53	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (4.5')**

**Lab Sample ID: 880-68080-15**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**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			02/12/26 22:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/26 22:28	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	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:28	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	104		70 - 130				02/11/26 10:43	02/12/26 22:28	1
o-Terphenyl (Surr)	100		70 - 130				02/11/26 10:43	02/12/26 22:28	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		9.90		mg/Kg			02/12/26 23:36	1

**Client Sample ID: S-4 (0-1')**

**Lab Sample ID: 880-68080-16**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/26 12:31	02/12/26 23:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	120		70 - 130				02/11/26 12:31	02/12/26 23:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130				02/11/26 12:31	02/12/26 23:14	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/12/26 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/12/26 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/11/26 10:43	02/12/26 22:43	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/11/26 10:43	02/12/26 22:43	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-4 (0-1')**

**Lab Sample ID: 880-68080-16**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/11/26 10:43	02/12/26 22:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	98		70 - 130				02/11/26 10:43	02/12/26 22:43	1
o-Terphenyl (Surr)	95		70 - 130				02/11/26 10:43	02/12/26 22:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		10.1		mg/Kg			02/12/26 23:43	1

**Client Sample ID: S-4 (2')**

**Lab Sample ID: 880-68080-17**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/26 12:31	02/12/26 23:34	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	116		70 - 130				02/11/26 12:31	02/12/26 23:34	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/11/26 12:31	02/12/26 23:34	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/12/26 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/26 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 22:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	85		70 - 130				02/11/26 10:43	02/12/26 22:58	1
o-Terphenyl (Surr)	83		70 - 130				02/11/26 10:43	02/12/26 22:58	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/12/26 23:50	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-4 (3')**

**Lab Sample ID: 880-68080-18**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 23:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 23:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 23:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 23:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/26 12:31	02/12/26 23:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/11/26 12:31	02/12/26 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/11/26 12:31	02/12/26 23:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/11/26 12:31	02/12/26 23:55	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/12/26 23:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/26 23:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 23:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 23:13	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/11/26 10:43	02/12/26 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	02/11/26 10:43	02/12/26 23:13	1
o-Terphenyl (Surr)	105		70 - 130	02/11/26 10:43	02/12/26 23:13	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		10.1		mg/Kg			02/12/26 23:56	1

**Client Sample ID: S-4 (4')**

**Lab Sample ID: 880-68080-19**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/13/26 00:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/13/26 00:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/13/26 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/13/26 00:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/26 12:31	02/13/26 00:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/26 12:31	02/13/26 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/11/26 12:31	02/13/26 00:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/11/26 12:31	02/13/26 00:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-4 (4')**

**Lab Sample ID: 880-68080-19**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**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			02/13/26 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/26 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 23:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/26 10:43	02/12/26 23:28	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	116		70 - 130				02/11/26 10:43	02/12/26 23:28	1
o-Terphenyl (Surr)	111		70 - 130				02/11/26 10:43	02/12/26 23:28	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		10.1		mg/Kg			02/13/26 00:03	1

**Client Sample ID: S-4 (4.5')**

**Lab Sample ID: 880-68080-20**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/26 12:31	02/13/26 00:36	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	115		70 - 130				02/11/26 12:31	02/13/26 00:36	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/11/26 12:31	02/13/26 00:36	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			02/13/26 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/26 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/11/26 10:43	02/12/26 23:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/11/26 10:43	02/12/26 23:43	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-4 (4.5')**

**Lab Sample ID: 880-68080-20**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/26 10:43	02/12/26 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130				02/11/26 10:43	02/12/26 23:43	1
o-Terphenyl (Surr)	106		70 - 130				02/11/26 10:43	02/12/26 23:43	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		9.94		mg/Kg			02/13/26 00:10	1

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

## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-68080-1	S-1 (0-1')	105	93
880-68080-1 MS	S-1 (0-1')	108	95
880-68080-1 MSD	S-1 (0-1')	102	92
880-68080-2	S-1 (2')	107	86
880-68080-3	S-1 (3')	102	97
880-68080-4	S-1 (4')	70	73
880-68080-5	S-1 (4.5')	56 S1-	78
880-68080-6	S-2 (0-1')	65 S1-	84
880-68080-7	S-2 (2')	56 S1-	83
880-68080-8	S-2 (3')	42 S1-	83
880-68080-9	S-2 (4')	47 S1-	83
880-68080-10	S-2 (4.5')	66 S1-	81
880-68080-11	S-3 (0-1')	97	86
880-68080-12	S-3 (2')	101	90
880-68080-13	S-3 (3')	99	87
880-68080-14	S-3 (4')	123	97
880-68080-15	S-3 (4.5')	123	101
880-68080-16	S-4 (0-1')	120	104
880-68080-17	S-4 (2')	116	89
880-68080-18	S-4 (3')	108	91
880-68080-19	S-4 (4')	122	100
880-68080-20	S-4 (4.5')	115	95
LCS 880-131502/1-A	Lab Control Sample	109	99
LCSD 880-131502/2-A	Lab Control Sample Dup	109	92
MB 880-131502/5-A	Method Blank	110	86

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68080-1	S-1 (0-1')	110	104
880-68080-1 MS	S-1 (0-1')	107	102
880-68080-1 MSD	S-1 (0-1')	132 S1+	102
880-68080-2	S-1 (2')	101	96
880-68080-3	S-1 (3')	87	83
880-68080-4	S-1 (4')	111	104
880-68080-5	S-1 (4.5')	85	83
880-68080-6	S-2 (0-1')	104	98
880-68080-7	S-2 (2')	89	87
880-68080-8	S-2 (3')	93	90
880-68080-9	S-2 (4')	88	87
880-68080-10	S-2 (4.5')	97	94
880-68080-11	S-3 (0-1')	86	87
880-68080-12	S-3 (2')	100	97

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### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68080-13	S-3 (3')	85	85
880-68080-14	S-3 (4')	101	98
880-68080-15	S-3 (4.5')	104	100
880-68080-16	S-4 (0-1')	98	95
880-68080-17	S-4 (2')	85	83
880-68080-18	S-4 (3')	109	105
880-68080-19	S-4 (4')	116	111
880-68080-20	S-4 (4.5')	109	106
LCS 880-131465/2-A	Lab Control Sample	129	134 S1+
LCSD 880-131465/3-A	Lab Control Sample Dup	125	127
MB 880-131465/1-A	Method Blank	93	97

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-131502/5-A  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 131502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/26 12:31	02/12/26 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/26 12:31	02/12/26 14:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/26 12:31	02/12/26 14:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/11/26 12:31	02/12/26 14:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/11/26 12:31	02/12/26 14:28	1

Lab Sample ID: LCS 880-131502/1-A  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 131502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1143		mg/Kg		114	70 - 130
Toluene	0.100	0.1067		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1262		mg/Kg		126	70 - 130
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1202		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-131502/2-A  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 131502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1206		mg/Kg		121	70 - 130	5	35
Toluene	0.100	0.1072		mg/Kg		107	70 - 130	0	35
Ethylbenzene	0.100	0.09099		mg/Kg		91	70 - 130	32	35
m-Xylene & p-Xylene	0.200	0.1631		mg/Kg		82	70 - 130	27	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-68080-1 MS  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: S-1 (0-1')  
 Prep Type: Total/NA  
 Prep Batch: 131502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.100	0.09819		mg/Kg		98	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-68080-1 MS  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: S-1 (0-1')  
 Prep Type: Total/NA  
 Prep Batch: 131502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1870		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.100	0.09053		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-68080-1 MSD  
 Matrix: Solid  
 Analysis Batch: 131367

Client Sample ID: S-1 (0-1')  
 Prep Type: Total/NA  
 Prep Batch: 131502

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	0.1027		mg/Kg		103	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09492		mg/Kg		95	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09752		mg/Kg		98	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1769		mg/Kg		88	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.08399		mg/Kg		84	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-131465/1-A  
 Matrix: Solid  
 Analysis Batch: 131581

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 131465

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		02/11/26 10:42	02/12/26 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/26 10:42	02/12/26 15:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/26 10:42	02/12/26 15:27	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	02/11/26 10:42	02/12/26 15:27	1
o-Terphenyl (Surr)	97		70 - 130	02/11/26 10:42	02/12/26 15:27	1

Lab Sample ID: LCS 880-131465/2-A  
 Matrix: Solid  
 Analysis Batch: 131581

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 131465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1189		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1286		mg/Kg		129	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: LCS 880-131465/2-A**  
**Matrix: Solid**  
**Analysis Batch: 131581**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131465**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	129		70 - 130
o-Terphenyl (Surr)	134	S1+	70 - 130

**Lab Sample ID: LCSD 880-131465/3-A**  
**Matrix: Solid**  
**Analysis Batch: 131581**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 131465**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130	11		20
Diesel Range Organics (Over C10-C28)	1000	1221		mg/Kg		122	70 - 130	5		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	127		70 - 130

**Lab Sample ID: 880-68080-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 131581**

**Client Sample ID: S-1 (0-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 131465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	992	1085		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)	320		992	1232		mg/Kg		92	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	102		70 - 130

**Lab Sample ID: 880-68080-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 131581**

**Client Sample ID: S-1 (0-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 131465**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	992	1093		mg/Kg		109	70 - 130	1
Diesel Range Organics (Over C10-C28)	320		992	1212		mg/Kg		90	70 - 130	2

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	132	S1+	70 - 130
o-Terphenyl (Surr)	102		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Method: 300.0 - Anions, Ion Chromatography**

**Lab Sample ID: MB 880-131433/1-A**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**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			02/12/26 20:49	1

**Lab Sample ID: LCS 880-131433/2-A**  
**Matrix: Solid**  
**Analysis Batch: 131620**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.6		mg/Kg		95	90 - 110

**Lab Sample ID: LCSD 880-131433/3-A**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**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	239.5		mg/Kg		96	90 - 110	0	20

**Lab Sample ID: 880-68080-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**Client Sample ID: S-1 (0-1')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	728	F1	249	942.2	F1	mg/Kg		86	90 - 110

**Lab Sample ID: 880-68080-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**Client Sample ID: S-1 (0-1')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	728	F1	249	944.2	F1	mg/Kg		87	90 - 110	0	20

**Lab Sample ID: 880-68080-11 MS**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**Client Sample ID: S-3 (0-1')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.1	U	253	266.3		mg/Kg		104	90 - 110

**Lab Sample ID: 880-68080-11 MSD**  
**Matrix: Solid**  
**Analysis Batch: 131620**

**Client Sample ID: S-3 (0-1')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	253	266.1		mg/Kg		103	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

#### GC VOA

##### Analysis Batch: 131367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	8021B	131502
880-68080-2	S-1 (2')	Total/NA	Solid	8021B	131502
880-68080-3	S-1 (3')	Total/NA	Solid	8021B	131502
880-68080-4	S-1 (4')	Total/NA	Solid	8021B	131502
880-68080-5	S-1 (4.5')	Total/NA	Solid	8021B	131502
880-68080-6	S-2 (0-1')	Total/NA	Solid	8021B	131502
880-68080-7	S-2 (2')	Total/NA	Solid	8021B	131502
880-68080-8	S-2 (3')	Total/NA	Solid	8021B	131502
880-68080-9	S-2 (4')	Total/NA	Solid	8021B	131502
880-68080-10	S-2 (4.5')	Total/NA	Solid	8021B	131502
880-68080-11	S-3 (0-1')	Total/NA	Solid	8021B	131502
880-68080-12	S-3 (2')	Total/NA	Solid	8021B	131502
880-68080-13	S-3 (3')	Total/NA	Solid	8021B	131502
880-68080-14	S-3 (4')	Total/NA	Solid	8021B	131502
880-68080-15	S-3 (4.5')	Total/NA	Solid	8021B	131502
880-68080-16	S-4 (0-1')	Total/NA	Solid	8021B	131502
880-68080-17	S-4 (2')	Total/NA	Solid	8021B	131502
880-68080-18	S-4 (3')	Total/NA	Solid	8021B	131502
880-68080-19	S-4 (4')	Total/NA	Solid	8021B	131502
880-68080-20	S-4 (4.5')	Total/NA	Solid	8021B	131502
MB 880-131502/5-A	Method Blank	Total/NA	Solid	8021B	131502
LCS 880-131502/1-A	Lab Control Sample	Total/NA	Solid	8021B	131502
LCSD 880-131502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131502
880-68080-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	131502
880-68080-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	131502

##### Prep Batch: 131502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	5035	
880-68080-2	S-1 (2')	Total/NA	Solid	5035	
880-68080-3	S-1 (3')	Total/NA	Solid	5035	
880-68080-4	S-1 (4')	Total/NA	Solid	5035	
880-68080-5	S-1 (4.5')	Total/NA	Solid	5035	
880-68080-6	S-2 (0-1')	Total/NA	Solid	5035	
880-68080-7	S-2 (2')	Total/NA	Solid	5035	
880-68080-8	S-2 (3')	Total/NA	Solid	5035	
880-68080-9	S-2 (4')	Total/NA	Solid	5035	
880-68080-10	S-2 (4.5')	Total/NA	Solid	5035	
880-68080-11	S-3 (0-1')	Total/NA	Solid	5035	
880-68080-12	S-3 (2')	Total/NA	Solid	5035	
880-68080-13	S-3 (3')	Total/NA	Solid	5035	
880-68080-14	S-3 (4')	Total/NA	Solid	5035	
880-68080-15	S-3 (4.5')	Total/NA	Solid	5035	
880-68080-16	S-4 (0-1')	Total/NA	Solid	5035	
880-68080-17	S-4 (2')	Total/NA	Solid	5035	
880-68080-18	S-4 (3')	Total/NA	Solid	5035	
880-68080-19	S-4 (4')	Total/NA	Solid	5035	
880-68080-20	S-4 (4.5')	Total/NA	Solid	5035	
MB 880-131502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

## GC VOA (Continued)

## Prep Batch: 131502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-68080-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

## Analysis Batch: 131747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-68080-2	S-1 (2')	Total/NA	Solid	Total BTEX	
880-68080-3	S-1 (3')	Total/NA	Solid	Total BTEX	
880-68080-4	S-1 (4')	Total/NA	Solid	Total BTEX	
880-68080-5	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-68080-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-68080-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-68080-8	S-2 (3')	Total/NA	Solid	Total BTEX	
880-68080-9	S-2 (4')	Total/NA	Solid	Total BTEX	
880-68080-10	S-2 (4.5')	Total/NA	Solid	Total BTEX	
880-68080-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-68080-12	S-3 (2')	Total/NA	Solid	Total BTEX	
880-68080-13	S-3 (3')	Total/NA	Solid	Total BTEX	
880-68080-14	S-3 (4')	Total/NA	Solid	Total BTEX	
880-68080-15	S-3 (4.5')	Total/NA	Solid	Total BTEX	
880-68080-16	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-68080-17	S-4 (2')	Total/NA	Solid	Total BTEX	
880-68080-18	S-4 (3')	Total/NA	Solid	Total BTEX	
880-68080-19	S-4 (4')	Total/NA	Solid	Total BTEX	
880-68080-20	S-4 (4.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 131465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-68080-2	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-68080-3	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-68080-4	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-68080-5	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-68080-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-68080-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-68080-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-68080-9	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-68080-10	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-68080-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-68080-12	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-68080-13	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-68080-14	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-68080-15	S-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-68080-16	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-68080-17	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-68080-18	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-68080-19	S-4 (4')	Total/NA	Solid	8015NM Prep	
880-68080-20	S-4 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-131465/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 131465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-131465/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68080-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-68080-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 131581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	8015B NM	131465
880-68080-2	S-1 (2')	Total/NA	Solid	8015B NM	131465
880-68080-3	S-1 (3')	Total/NA	Solid	8015B NM	131465
880-68080-4	S-1 (4')	Total/NA	Solid	8015B NM	131465
880-68080-5	S-1 (4.5')	Total/NA	Solid	8015B NM	131465
880-68080-6	S-2 (0-1')	Total/NA	Solid	8015B NM	131465
880-68080-7	S-2 (2')	Total/NA	Solid	8015B NM	131465
880-68080-8	S-2 (3')	Total/NA	Solid	8015B NM	131465
880-68080-9	S-2 (4')	Total/NA	Solid	8015B NM	131465
880-68080-10	S-2 (4.5')	Total/NA	Solid	8015B NM	131465
880-68080-11	S-3 (0-1')	Total/NA	Solid	8015B NM	131465
880-68080-12	S-3 (2')	Total/NA	Solid	8015B NM	131465
880-68080-13	S-3 (3')	Total/NA	Solid	8015B NM	131465
880-68080-14	S-3 (4')	Total/NA	Solid	8015B NM	131465
880-68080-15	S-3 (4.5')	Total/NA	Solid	8015B NM	131465
880-68080-16	S-4 (0-1')	Total/NA	Solid	8015B NM	131465
880-68080-17	S-4 (2')	Total/NA	Solid	8015B NM	131465
880-68080-18	S-4 (3')	Total/NA	Solid	8015B NM	131465
880-68080-19	S-4 (4')	Total/NA	Solid	8015B NM	131465
880-68080-20	S-4 (4.5')	Total/NA	Solid	8015B NM	131465
MB 880-131465/1-A	Method Blank	Total/NA	Solid	8015B NM	131465
LCS 880-131465/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131465
LCSD 880-131465/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131465
880-68080-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	131465
880-68080-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	131465

## Analysis Batch: 131728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-68080-2	S-1 (2')	Total/NA	Solid	8015 NM	
880-68080-3	S-1 (3')	Total/NA	Solid	8015 NM	
880-68080-4	S-1 (4')	Total/NA	Solid	8015 NM	
880-68080-5	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-68080-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-68080-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-68080-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-68080-9	S-2 (4')	Total/NA	Solid	8015 NM	
880-68080-10	S-2 (4.5')	Total/NA	Solid	8015 NM	
880-68080-11	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-68080-12	S-3 (2')	Total/NA	Solid	8015 NM	
880-68080-13	S-3 (3')	Total/NA	Solid	8015 NM	
880-68080-14	S-3 (4')	Total/NA	Solid	8015 NM	
880-68080-15	S-3 (4.5')	Total/NA	Solid	8015 NM	
880-68080-16	S-4 (0-1')	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 131728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-17	S-4 (2')	Total/NA	Solid	8015 NM	
880-68080-18	S-4 (3')	Total/NA	Solid	8015 NM	
880-68080-19	S-4 (4')	Total/NA	Solid	8015 NM	
880-68080-20	S-4 (4.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 131433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-68080-2	S-1 (2')	Soluble	Solid	DI Leach	
880-68080-3	S-1 (3')	Soluble	Solid	DI Leach	
880-68080-4	S-1 (4')	Soluble	Solid	DI Leach	
880-68080-5	S-1 (4.5')	Soluble	Solid	DI Leach	
880-68080-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-68080-7	S-2 (2')	Soluble	Solid	DI Leach	
880-68080-8	S-2 (3')	Soluble	Solid	DI Leach	
880-68080-9	S-2 (4')	Soluble	Solid	DI Leach	
880-68080-10	S-2 (4.5')	Soluble	Solid	DI Leach	
880-68080-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-68080-12	S-3 (2')	Soluble	Solid	DI Leach	
880-68080-13	S-3 (3')	Soluble	Solid	DI Leach	
880-68080-14	S-3 (4')	Soluble	Solid	DI Leach	
880-68080-15	S-3 (4.5')	Soluble	Solid	DI Leach	
880-68080-16	S-4 (0-1')	Soluble	Solid	DI Leach	
880-68080-17	S-4 (2')	Soluble	Solid	DI Leach	
880-68080-18	S-4 (3')	Soluble	Solid	DI Leach	
880-68080-19	S-4 (4')	Soluble	Solid	DI Leach	
880-68080-20	S-4 (4.5')	Soluble	Solid	DI Leach	
MB 880-131433/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131433/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-131433/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68080-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-68080-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-68080-11 MS	S-3 (0-1')	Soluble	Solid	DI Leach	
880-68080-11 MSD	S-3 (0-1')	Soluble	Solid	DI Leach	

## Analysis Batch: 131620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-1	S-1 (0-1')	Soluble	Solid	300.0	131433
880-68080-2	S-1 (2')	Soluble	Solid	300.0	131433
880-68080-3	S-1 (3')	Soluble	Solid	300.0	131433
880-68080-4	S-1 (4')	Soluble	Solid	300.0	131433
880-68080-5	S-1 (4.5')	Soluble	Solid	300.0	131433
880-68080-6	S-2 (0-1')	Soluble	Solid	300.0	131433
880-68080-7	S-2 (2')	Soluble	Solid	300.0	131433
880-68080-8	S-2 (3')	Soluble	Solid	300.0	131433
880-68080-9	S-2 (4')	Soluble	Solid	300.0	131433
880-68080-10	S-2 (4.5')	Soluble	Solid	300.0	131433
880-68080-11	S-3 (0-1')	Soluble	Solid	300.0	131433
880-68080-12	S-3 (2')	Soluble	Solid	300.0	131433

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**HPLC/IC (Continued)**

**Analysis Batch: 131620 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68080-13	S-3 (3')	Soluble	Solid	300.0	131433
880-68080-14	S-3 (4')	Soluble	Solid	300.0	131433
880-68080-15	S-3 (4.5')	Soluble	Solid	300.0	131433
880-68080-16	S-4 (0-1')	Soluble	Solid	300.0	131433
880-68080-17	S-4 (2')	Soluble	Solid	300.0	131433
880-68080-18	S-4 (3')	Soluble	Solid	300.0	131433
880-68080-19	S-4 (4')	Soluble	Solid	300.0	131433
880-68080-20	S-4 (4.5')	Soluble	Solid	300.0	131433
MB 880-131433/1-A	Method Blank	Soluble	Solid	300.0	131433
LCS 880-131433/2-A	Lab Control Sample	Soluble	Solid	300.0	131433
LCSD 880-131433/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131433
880-68080-1 MS	S-1 (0-1')	Soluble	Solid	300.0	131433
880-68080-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	131433
880-68080-11 MS	S-3 (0-1')	Soluble	Solid	300.0	131433
880-68080-11 MSD	S-3 (0-1')	Soluble	Solid	300.0	131433

- 1
- 2
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- 14

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68080-1**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 14:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 18:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 18:16	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 21:09	SMC	EET MID

**Client Sample ID: S-1 (2')**

**Lab Sample ID: 880-68080-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 15:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 19:00	SA	EET MID
Total/NA	Prep	8015NM Prep			.999 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 19:00	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 21:29	SMC	EET MID

**Client Sample ID: S-1 (3')**

**Lab Sample ID: 880-68080-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 15:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 19:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 19:15	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 21:36	SMC	EET MID

**Client Sample ID: S-1 (4')**

**Lab Sample ID: 880-68080-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 15:58	SA	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-1 (4')**

**Lab Sample ID: 880-68080-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131728	02/12/26 19:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 19:29	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 21:43	SMC	EET MID

**Client Sample ID: S-1 (4.5')**

**Lab Sample ID: 880-68080-5**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 16:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 19:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 19:45	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 21:49	SMC	EET MID

**Client Sample ID: S-2 (0-1')**

**Lab Sample ID: 880-68080-6**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 16:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 19:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 19:59	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:09	SMC	EET MID

**Client Sample ID: S-2 (2')**

**Lab Sample ID: 880-68080-7**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 17:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 20:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 20:15	FC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-2 (2')**

**Lab Sample ID: 880-68080-7**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:16	SMC	EET MID

**Client Sample ID: S-2 (3')**

**Lab Sample ID: 880-68080-8**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 17:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 20:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 20:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:23	SMC	EET MID

**Client Sample ID: S-2 (4')**

**Lab Sample ID: 880-68080-9**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 17:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 20:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 20:46	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:29	SMC	EET MID

**Client Sample ID: S-2 (4.5')**

**Lab Sample ID: 880-68080-10**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 18:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 21:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 21:00	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:36	SMC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (0-1')**

**Lab Sample ID: 880-68080-11**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 21:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 21:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 21:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 21:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 22:43	SMC	EET MID

**Client Sample ID: S-3 (2')**

**Lab Sample ID: 880-68080-12**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 21:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 21:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 21:45	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:03	SMC	EET MID

**Client Sample ID: S-3 (3')**

**Lab Sample ID: 880-68080-13**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 22:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 22:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 21:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 21:59	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:10	SMC	EET MID

**Client Sample ID: S-3 (4')**

**Lab Sample ID: 880-68080-14**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 22:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 22:32	SA	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-3 (4')**

**Lab Sample ID: 880-68080-14**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131728	02/12/26 22:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 22:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:30	SMC	EET MID

**Client Sample ID: S-3 (4.5')**

**Lab Sample ID: 880-68080-15**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 22:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 22:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 22:28	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:36	SMC	EET MID

**Client Sample ID: S-4 (0-1')**

**Lab Sample ID: 880-68080-16**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 23:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 22:43	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 22:43	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:43	SMC	EET MID

**Client Sample ID: S-4 (2')**

**Lab Sample ID: 880-68080-17**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 23:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 22:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 22:58	FC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

**Client Sample ID: S-4 (2')**

**Lab Sample ID: 880-68080-17**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:50	SMC	EET MID

**Client Sample ID: S-4 (3')**

**Lab Sample ID: 880-68080-18**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/12/26 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/12/26 23:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 23:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 23:13	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/12/26 23:56	SMC	EET MID

**Client Sample ID: S-4 (4')**

**Lab Sample ID: 880-68080-19**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/13/26 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/13/26 00:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 23:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 23:28	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/13/26 00:03	SMC	EET MID

**Client Sample ID: S-4 (4.5')**

**Lab Sample ID: 880-68080-20**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131502	02/11/26 12:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131367	02/13/26 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131747	02/13/26 00:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			131728	02/12/26 23:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131465	02/11/26 10:43	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131581	02/12/26 23:43	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	131433	02/11/26 09:08	SI	EET MID
Soluble	Analysis	300.0		1			131620	02/13/26 00:10	SMC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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### Method Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 880-68080-1  
 SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68080-1	S-1 (0-1')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-2	S-1 (2')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-3	S-1 (3')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-4	S-1 (4')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-5	S-1 (4.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-6	S-2 (0-1')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-7	S-2 (2')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-8	S-2 (3')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-9	S-2 (4')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-10	S-2 (4.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-11	S-3 (0-1')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-12	S-3 (2')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-13	S-3 (3')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-14	S-3 (4')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-15	S-3 (4.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-16	S-4 (0-1')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-17	S-4 (2')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-18	S-4 (3')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-19	S-4 (4')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68080-20	S-4 (4.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas

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### Chain of Custody



880-68080 Chain of Custody

Project Manager: Ashton Thielke	Bill to: (if different):
Company Name: Carmona Resources	Company Name: Cimarex Energy
Address: 310 W Wall St Ste 500	Address: 600 N Marnefield St, Suite 600
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79701
Phone: 432-813-8988	Email: laci.lujic@coterra.com & ashton.thielke@coterra.com

<b>Work Order Comments</b>	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	State of Project:
Reporting Level: <input type="checkbox"/> 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:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST			Preservative Codes
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 300.0	
S-1 (0-1')	2/9/2026		X		G	1	X	X	X	None: NO DI Water: H <sub>2</sub> O
S-1 (2')	2/9/2026		X		G	1	X	X	X	Cool: Cool MeOH: Me
S-1 (3')	2/9/2026		X		G	1	X	X	X	HCL: HC HNO <sub>3</sub> : HN
S-1 (4')	2/9/2026		X		G	1	X	X	X	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
S-1 (4.5')	2/9/2026		X		G	1	X	X	X	H <sub>3</sub> PO <sub>4</sub> : HP Hold
S-2 (0-1')	2/9/2026		X		G	1	X	X	X	NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
S-2 (2')	2/9/2026		X		G	1	X	X	X	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: S:APC
S-2 (3')	2/9/2026		X		G	1	X	X	X	
S-2 (4')	2/9/2026		X		G	1	X	X	X	
S-2 (4.5')	2/9/2026		X		G	1	X	X	X	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	2.10.26 16:30	<i>[Signature]</i>	

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Chain of Custody

Work Order No: \_\_\_\_\_

Page 2 of 2

Project Manager: Ashton Thielke	Bill to: (if different) Laci Luig
Company Name: Cammona Resources	Company Name: Cimarex Energy
Address: 310 W Wall St Ste 500	Address: 600 N Marlenfield St, Suite 600
City, State ZIP: Midland, TX 79701	City, State ZIP: Midland, TX 79701
Phone: 432-813-8988	Email: laci.luig@colerra.com & ashton.thielke@colerra.com

<b>Work Order Comments</b>	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> 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: _____	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST		Preservative Codes
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	
S-3 (0-1')	2/9/2026		X		G	1	X	X	None: NO DI Water: H <sub>2</sub> O
S-3 (2')	2/9/2026		X		G	1	X	X	Cool: Cool MeOH: Me
S-3 (3')	2/9/2026		X		G	1	X	X	HCL: HC HNO <sub>3</sub> : HN
S-3 (4')	2/9/2026		X		G	1	X	X	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
S-3 (4.5')	2/9/2026		X		G	1	X	X	H <sub>3</sub> PO <sub>4</sub> : HP Hold
S-4 (0-1')	2/9/2026		X		G	1	X	X	NaHSO <sub>4</sub> : NABIS
S-4 (2')	2/9/2026		X		G	1	X	X	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
S-4 (3')	2/9/2026		X		G	1	X	X	Zn Acetate+NaOH: Zn
S-4 (4')	2/9/2026		X		G	1	X	X	NaOH+Ascorbic Acid: SAPC
S-4 (4.5')	2/9/2026		X		G	1	X	X	

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

*[Handwritten Signature]*

2.10.2016:30

*[Handwritten Signature]*

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68080-1  
SDG Number: Lea County New Mexico

**Login Number: 68080**  
**List Number: 1**  
**Creator: Neeld, Linsey**

**List Source: Eurofins Midland**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/13/2026 4:39:23 PM

## JOB DESCRIPTION

Legacy Fed Unit 34H Flowline  
 Lea County New Mexico

## JOB NUMBER

880-68083-1

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  
2/13/2026 4:39:23 PM

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

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Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Laboratory Job ID: 880-68083-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
SDG: Lea County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1

**Job ID: 880-68083-1**

**Eurofins Midland**

### Job Narrative 880-68083-1

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

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

#### Receipt

The samples were received on 2/10/2026 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

#### GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-131708 and analytical batch 880-131690 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-68083-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-131466/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: H-1 (0-0.5') (880-68083-1). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68083-1**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/13/26 09:34	02/13/26 14:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/13/26 09:34	02/13/26 14:22	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		02/13/26 09:34	02/13/26 14:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/13/26 09:34	02/13/26 14:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/13/26 09:34	02/13/26 14:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/13/26 09:34	02/13/26 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/13/26 09:34	02/13/26 14:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/13/26 09:34	02/13/26 14:22	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/13/26 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/12/26 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/11/26 10:46	02/12/26 18:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/11/26 10:46	02/12/26 18:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/11/26 10:46	02/12/26 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	02/11/26 10:46	02/12/26 18:16	1
o-Terphenyl (Surr)	136	S1+	70 - 130	02/11/26 10:46	02/12/26 18:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.1		9.90		mg/Kg			02/12/26 16:58	1

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

**Lab Sample ID: 880-68083-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/13/26 09:34	02/13/26 14:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/13/26 09:34	02/13/26 14:42	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		02/13/26 09:34	02/13/26 14:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/13/26 09:34	02/13/26 14:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/13/26 09:34	02/13/26 14:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/13/26 09:34	02/13/26 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/13/26 09:34	02/13/26 14:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/13/26 09:34	02/13/26 14:42	1

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68083-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/13/26 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/26 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	112		70 - 130				02/11/26 10:46	02/12/26 19:00	1
o-Terphenyl (Surr)	119		70 - 130				02/11/26 10:46	02/12/26 19:00	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			02/12/26 17:14	1

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

**Lab Sample ID: 880-68083-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/13/26 09:34	02/13/26 15:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	117		70 - 130				02/13/26 09:34	02/13/26 15:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/13/26 09:34	02/13/26 15:03	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/13/26 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/26 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:15	1

Eurofins Midland

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68083-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/11/26 10:46	02/12/26 19:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	113		70 - 130				02/11/26 10:46	02/12/26 19:15	1
o-Terphenyl (Surr)	122		70 - 130				02/11/26 10:46	02/12/26 19:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/12/26 17:19	1

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

**Lab Sample ID: 880-68083-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/13/26 09:34	02/13/26 15:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	117		70 - 130				02/13/26 09:34	02/13/26 15:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130				02/13/26 09:34	02/13/26 15:24	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/13/26 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/26 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/26 10:46	02/12/26 19:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/11/26 10:46	02/12/26 19:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/26 10:46	02/12/26 19:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	108		70 - 130				02/11/26 10:46	02/12/26 19:29	1
o-Terphenyl (Surr)	120		70 - 130				02/11/26 10:46	02/12/26 19:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.1		mg/Kg			02/12/26 17:25	1

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## Surrogate Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-68083-1	H-1 (0-0.5')	121	96
880-68083-2	H-2 (0-0.5')	126	100
880-68083-3	H-3 (0-0.5')	117	95
880-68083-4	H-4 (0-0.5')	117	86
880-68084-A-5-D MS	Matrix Spike	109	91
880-68084-A-5-E MSD	Matrix Spike Duplicate	107	88
LCS 880-131708/1-A	Lab Control Sample	123	101
LCS 880-131708/2-A	Lab Control Sample Dup	110	104
MB 880-131708/5-A	Method Blank	114	87

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)  
 DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-68083-1	H-1 (0-0.5')	121	136 S1+
880-68083-1 MS	H-1 (0-0.5')	133 S1+	119
880-68083-1 MSD	H-1 (0-0.5')	108	120
880-68083-2	H-2 (0-0.5')	112	119
880-68083-3	H-3 (0-0.5')	113	122
880-68083-4	H-4 (0-0.5')	108	120
LCS 880-131466/2-A	Lab Control Sample	126	135 S1+
LCS 880-131466/3-A	Lab Control Sample Dup	116	130
MB 880-131466/1-A	Method Blank	101	110

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)  
 OTPH = o-Terphenyl (Surr)

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-131708/5-A  
 Matrix: Solid  
 Analysis Batch: 131690

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 131708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/13/26 09:34	02/13/26 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/13/26 09:34	02/13/26 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/13/26 09:34	02/13/26 12:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/13/26 09:34	02/13/26 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/13/26 09:34	02/13/26 12:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/13/26 09:34	02/13/26 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/13/26 09:34	02/13/26 12:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/13/26 09:34	02/13/26 12:17	1

Lab Sample ID: LCS 880-131708/1-A  
 Matrix: Solid  
 Analysis Batch: 131690

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 131708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1164		mg/Kg		116	70 - 130
Toluene	0.100	0.1078		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1412	*+	mg/Kg		141	70 - 130
m-Xylene & p-Xylene	0.200	0.2540		mg/Kg		127	70 - 130
o-Xylene	0.100	0.1279		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-131708/2-A  
 Matrix: Solid  
 Analysis Batch: 131690

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 131708

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1080		mg/Kg		108	70 - 130	7	35
Toluene	0.100	0.1135		mg/Kg		113	70 - 130	5	35
Ethylbenzene	0.100	0.1295		mg/Kg		130	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2344		mg/Kg		117	70 - 130	8	35
o-Xylene	0.100	0.1172		mg/Kg		117	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-68084-A-5-D MS  
 Matrix: Solid  
 Analysis Batch: 131690

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 131708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.09873		mg/Kg		99	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-68084-A-5-D MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131690

Prep Batch: 131708

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U *	0.100	0.08104		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1489		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U	0.100	0.07717		mg/Kg		77	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-68084-A-5-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131690

Prep Batch: 131708

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1128		mg/Kg		113	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.1074		mg/Kg		107	70 - 130	8	35
Ethylbenzene	<0.00200	U *	0.100	0.09941		mg/Kg		99	70 - 130	20	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1739		mg/Kg		87	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.08760		mg/Kg		88	70 - 130	13	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-131466/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131579

Prep Batch: 131466

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/26 10:46	02/12/26 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/26 10:46	02/12/26 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/26 10:46	02/12/26 17:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	101		70 - 130	02/11/26 10:46	02/12/26 17:00	1
o-Terphenyl (Surr)	110		70 - 130	02/11/26 10:46	02/12/26 17:00	1

Lab Sample ID: LCS 880-131466/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 131579

Prep Batch: 131466

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1026		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1072		mg/Kg		107	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: LCS 880-131466/2-A**  
**Matrix: Solid**  
**Analysis Batch: 131579**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131466**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	135	S1+	70 - 130

**Lab Sample ID: LCSD 880-131466/3-A**  
**Matrix: Solid**  
**Analysis Batch: 131579**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 131466**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	958.5		mg/Kg		96	70 - 130	7		20
Diesel Range Organics (Over C10-C28)	1000	1030		mg/Kg		103	70 - 130	4		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	130		70 - 130

**Lab Sample ID: 880-68083-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 131579**

**Client Sample ID: H-1 (0-0.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 131466**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1006		mg/Kg		100	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	871.3		mg/Kg		85	70 - 130			

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	133	S1+	70 - 130
o-Terphenyl (Surr)	119		70 - 130

**Lab Sample ID: 880-68083-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 131579**

**Client Sample ID: H-1 (0-0.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 131466**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1018		mg/Kg		101	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	968.5		mg/Kg		95	70 - 130	11		20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	120		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-131455/1-A  
 Matrix: Solid  
 Analysis Batch: 131640

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			02/12/26 16:42	1

Lab Sample ID: LCS 880-131455/2-A  
 Matrix: Solid  
 Analysis Batch: 131640

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-131455/3-A  
 Matrix: Solid  
 Analysis Batch: 131640

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	242.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-68083-1 MS  
 Matrix: Solid  
 Analysis Batch: 131640

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.1		248	292.9		mg/Kg		99	90 - 110

Lab Sample ID: 880-68083-1 MSD  
 Matrix: Solid  
 Analysis Batch: 131640

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.1		248	292.8		mg/Kg		98	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

#### GC VOA

##### Analysis Batch: 131690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	8021B	131708
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	8021B	131708
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	8021B	131708
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	8021B	131708
MB 880-131708/5-A	Method Blank	Total/NA	Solid	8021B	131708
LCS 880-131708/1-A	Lab Control Sample	Total/NA	Solid	8021B	131708
LCSD 880-131708/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	131708
880-68084-A-5-D MS	Matrix Spike	Total/NA	Solid	8021B	131708
880-68084-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	131708

##### Prep Batch: 131708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-131708/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-131708/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-131708/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-68084-A-5-D MS	Matrix Spike	Total/NA	Solid	5035	
880-68084-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 131799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 131466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-131466/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131466/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-68083-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-68083-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 131579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	131466
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	131466
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	131466
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	131466
MB 880-131466/1-A	Method Blank	Total/NA	Solid	8015B NM	131466
LCS 880-131466/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131466

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

#### GC Semi VOA (Continued)

##### Analysis Batch: 131579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-131466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131466
880-68083-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	131466
880-68083-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	131466

##### Analysis Batch: 131724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-68083-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-68083-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-68083-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

#### HPLC/IC

##### Leach Batch: 131455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-68083-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-68083-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-68083-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-131455/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-131455/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-131455/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-68083-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-68083-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

##### Analysis Batch: 131640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-68083-1	H-1 (0-0.5')	Soluble	Solid	300.0	131455
880-68083-2	H-2 (0-0.5')	Soluble	Solid	300.0	131455
880-68083-3	H-3 (0-0.5')	Soluble	Solid	300.0	131455
880-68083-4	H-4 (0-0.5')	Soluble	Solid	300.0	131455
MB 880-131455/1-A	Method Blank	Soluble	Solid	300.0	131455
LCS 880-131455/2-A	Lab Control Sample	Soluble	Solid	300.0	131455
LCSD 880-131455/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	131455
880-68083-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	131455
880-68083-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	131455

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68083-1**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	131708	02/13/26 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131690	02/13/26 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131799	02/13/26 14:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			131724	02/12/26 18:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131466	02/11/26 10:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131579	02/12/26 18:16	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	131455	02/11/26 09:51	SI	EET MID
Soluble	Analysis	300.0		1			131640	02/12/26 16:58	SMC	EET MID

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

**Lab Sample ID: 880-68083-2**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	131708	02/13/26 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131690	02/13/26 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131799	02/13/26 14:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			131724	02/12/26 19:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	131466	02/11/26 10:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131579	02/12/26 19:00	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131455	02/11/26 09:51	SI	EET MID
Soluble	Analysis	300.0		1			131640	02/12/26 17:14	SMC	EET MID

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

**Lab Sample ID: 880-68083-3**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	131708	02/13/26 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131690	02/13/26 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131799	02/13/26 15:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			131724	02/12/26 19:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	131466	02/11/26 10:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131579	02/12/26 19:15	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	131455	02/11/26 09:51	SI	EET MID
Soluble	Analysis	300.0		1			131640	02/12/26 17:19	SMC	EET MID

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

**Lab Sample ID: 880-68083-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	131708	02/13/26 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	131690	02/13/26 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			131799	02/13/26 15:24	SA	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
SDG: Lea County New Mexico

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

**Lab Sample ID: 880-68083-4**

Date Collected: 02/09/26 00:00

Matrix: Solid

Date Received: 02/10/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			131724	02/12/26 19:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131466	02/11/26 10:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	131579	02/12/26 19:29	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	131455	02/11/26 09:51	SI	EET MID
Soluble	Analysis	300.0		1			131640	02/12/26 17:25	SMC	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 880-68083-1  
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-68083-1	H-1 (0-0.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68083-2	H-2 (0-0.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68083-3	H-3 (0-0.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas
880-68083-4	H-4 (0-0.5')	Solid	02/09/26 00:00	02/10/26 16:30	Texas

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Chain of Custody



880-68083 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 500	Address:	600 N Maranfield St Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

**Work Order Comments**

Program: UST/PST  PRP  Brownfields  RC  perfund

State of Project:  Level II  Level III  ST/UST  RRP  Level IV

Reporting Level:  EDD  ADAPT  Other: \_\_\_\_\_

Project Name:	Legacy Fed Unit 34H Flowline	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	3016	Due Date:	72 Hours		
Project Location:	Lea County, New Mexico				
Sampler's Name:	JR/LDC				
PO #:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 300.0	
H-1 (0-0.5')	2/9/2026		X		G	1	X	X	X	
H-2 (0-0.5')	2/9/2026		X		G	1	X	X	X	
H-3 (0-0.5')	2/9/2026		X		G	1	X	X	X	
H-4 (0-0.5')	2/9/2026		X		G	1	X	X	X	

Comments:

Relinquished by: (Signature) *[Signature]* Date/Time 2.10.26 1030

Received by: (Signature) *[Signature]* Date/Time

### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-68083-1  
SDG Number: Lea County New Mexico

**Login Number: 68083**  
**List Number: 1**  
**Creator: Neeld, Linsey**

**List Source: Eurofins Midland**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/16/2026 2:28:17 PM

## JOB DESCRIPTION

Legacy Fed Unit 34H Flowline  
 Lea County New Mexico

## JOB NUMBER

890-9630-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



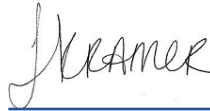
# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
3/16/2026 2:28:17 PM

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

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Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Laboratory Job ID: 890-9630-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1

**Job ID: 890-9630-1**

**Eurofins Carlsbad**

### Job Narrative 890-9630-1

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

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

### Receipt

The samples were received on 3/11/2026 3:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (1.5') (890-9630-1), CS - 2 (1.5') (890-9630-2), CS - 3 (1.5') (890-9630-3), CS - 4 (1.5') (890-9630-4), CS - 5 (3.5') (890-9630-5), CS - 6 (3.5') (890-9630-6), CS - 7 (3.5') (890-9630-7), CS - 8 (3.5') (890-9630-8), CS - 9 (3.5') (890-9630-9), CS - 10 (4.5') (890-9630-10), CS - 11 (4.5') (890-9630-11), CS - 12 (4.5') (890-9630-12), CS - 13 (4.5') (890-9630-13), CS - 14 (4.5') (890-9630-14) and CS - 15 (4.5') (890-9630-15).

### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 1 (1.5') (890-9630-1), CS - 2 (1.5') (890-9630-2), CS - 3 (1.5') (890-9630-3), CS - 4 (1.5') (890-9630-4), CS - 5 (3.5') (890-9630-5), CS - 6 (3.5') (890-9630-6), CS - 7 (3.5') (890-9630-7), CS - 8 (3.5') (890-9630-8), CS - 9 (3.5') (890-9630-9), CS - 10 (4.5') (890-9630-10) and (890-9630-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-134669 and analytical batch 880-134655 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 11 (4.5') (890-9630-11), CS - 12 (4.5') (890-9630-12), CS - 13 (4.5') (890-9630-13), CS - 14 (4.5') (890-9630-14) and CS - 15 (4.5') (890-9630-15). Evidence of matrix interferences is not obvious.

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-134753/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (890-9630-A-9-H MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS - 8 (3.5') (890-9630-8), CS - 10 (4.5') (890-9630-10) and CS - 15 (4.5') (890-9630-15). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

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

Eurofins Carlsbad

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 1 (1.5')**

**Lab Sample ID: 890-9630-1**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 12:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 12:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	03/12/26 09:48	03/12/26 12:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/12/26 09:48	03/12/26 12:01	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			03/12/26 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/15/26 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 22:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 22:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	03/13/26 08:48	03/15/26 22:45	1
o-Terphenyl (Surr)	104		70 - 130	03/13/26 08:48	03/15/26 22:45	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			03/12/26 15:18	1

**Client Sample ID: CS - 2 (1.5')**

**Lab Sample ID: 890-9630-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 12:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 12:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 12:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 12:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 12:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	03/12/26 09:48	03/12/26 12:21	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/12/26 09:48	03/12/26 12:21	1

Eurofins Carlsbad

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 2 (1.5')**

**Lab Sample ID: 890-9630-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/12/26 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/15/26 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	126		70 - 130				03/13/26 08:48	03/15/26 23:01	1
o-Terphenyl (Surr)	121		70 - 130				03/13/26 08:48	03/15/26 23:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 15:25	1

**Client Sample ID: CS - 3 (1.5')**

**Lab Sample ID: 890-9630-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 12:42	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				03/12/26 09:48	03/12/26 12:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/12/26 09:48	03/12/26 12:42	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/12/26 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/15/26 23:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 23:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 23:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 3 (1.5')**

**Lab Sample ID: 890-9630-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130				03/13/26 08:48	03/15/26 23:15	1
o-Terphenyl (Surr)	113		70 - 130				03/13/26 08:48	03/15/26 23:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		10.1		mg/Kg			03/12/26 15:45	1

**Client Sample ID: CS - 4 (1.5')**

**Lab Sample ID: 890-9630-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				03/12/26 09:48	03/12/26 13:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/12/26 09:48	03/12/26 13:02	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/12/26 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/15/26 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 23:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 23:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				03/13/26 08:48	03/15/26 23:30	1
o-Terphenyl (Surr)	108		70 - 130				03/13/26 08:48	03/15/26 23:30	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		9.92		mg/Kg			03/12/26 15:52	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 5 (3.5')**

**Lab Sample ID: 890-9630-5**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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		03/12/26 09:48	03/12/26 13:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 13:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 13:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/12/26 09:48	03/12/26 13:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 13:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/12/26 09:48	03/12/26 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	03/12/26 09:48	03/12/26 13:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/12/26 09:48	03/12/26 13:23	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/12/26 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/15/26 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	03/13/26 08:48	03/15/26 23:45	1
o-Terphenyl (Surr)	100		70 - 130	03/13/26 08:48	03/15/26 23:45	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		9.98		mg/Kg			03/12/26 16:12	1

**Client Sample ID: CS - 6 (3.5')**

**Lab Sample ID: 890-9630-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 13:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 13:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	03/12/26 09:48	03/12/26 13:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/12/26 09:48	03/12/26 13:43	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 6 (3.5')**

**Lab Sample ID: 890-9630-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/12/26 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/16/26 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/16/26 00:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/16/26 00:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/16/26 00:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	128		70 - 130				03/13/26 08:48	03/16/26 00:00	1
o-Terphenyl (Surr)	122		70 - 130				03/13/26 08:48	03/16/26 00:00	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.2		9.92		mg/Kg			03/12/26 16:18	1

**Client Sample ID: CS - 7 (3.5')**

**Lab Sample ID: 890-9630-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 14:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				03/12/26 09:48	03/12/26 14:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/12/26 09:48	03/12/26 14:03	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/12/26 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/16/26 00:14	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	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/16/26 00:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/16/26 00:14	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 7 (3.5')**

**Lab Sample ID: 890-9630-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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		03/13/26 08:48	03/16/26 00:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	105		70 - 130				03/13/26 08:48	03/16/26 00:14	1
o-Terphenyl (Surr)	100		70 - 130				03/13/26 08:48	03/16/26 00:14	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/12/26 16:25	1

**Client Sample ID: CS - 8 (3.5')**

**Lab Sample ID: 890-9630-8**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 14:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				03/12/26 09:48	03/12/26 14:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/12/26 09:48	03/12/26 14:24	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/12/26 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/16/26 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/16/26 00:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/16/26 00:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/16/26 00:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	131	S1+	70 - 130				03/13/26 08:48	03/16/26 00:29	1
o-Terphenyl (Surr)	125		70 - 130				03/13/26 08:48	03/16/26 00:29	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		9.94		mg/Kg			03/12/26 16:32	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea County New Mexico

Client Sample ID: CS - 9 (3.5')

Lab Sample ID: 890-9630-9

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 14:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 14:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 14:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 14:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 14:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/12/26 09:48	03/12/26 14:44	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/12/26 09:48	03/12/26 14:44	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/12/26 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/15/26 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 19:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 19:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	03/13/26 08:48	03/15/26 19:33	1
o-Terphenyl (Surr)	110		70 - 130	03/13/26 08:48	03/15/26 19:33	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			03/12/26 16:39	1

Client Sample ID: CS - 10 (4.5')

Lab Sample ID: 890-9630-10

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

## 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		03/12/26 09:48	03/12/26 15:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 15:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 15:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/12/26 09:48	03/12/26 15:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/12/26 09:48	03/12/26 15:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/12/26 09:48	03/12/26 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	03/12/26 09:48	03/12/26 15:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/12/26 09:48	03/12/26 15:05	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 10 (4.5')**

**Lab Sample ID: 890-9630-10**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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			03/12/26 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/15/26 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 20:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 20:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 20:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	134	S1+	70 - 130				03/13/26 08:48	03/15/26 20:17	1
o-Terphenyl (Surr)	129		70 - 130				03/13/26 08:48	03/15/26 20:17	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			03/12/26 16:45	1

**Client Sample ID: CS - 11 (4.5')**

**Lab Sample ID: 890-9630-11**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/12/26 09:48	03/12/26 17:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				03/12/26 09:48	03/12/26 17:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/12/26 09:48	03/12/26 17:08	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			03/12/26 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/15/26 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 20:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 20:32	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 11 (4.5')**

**Lab Sample ID: 890-9630-11**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				03/13/26 08:48	03/15/26 20:32	1
o-Terphenyl (Surr)	118		70 - 130				03/13/26 08:48	03/15/26 20:32	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			03/12/26 16:52	1

**Client Sample ID: CS - 12 (4.5')**

**Lab Sample ID: 890-9630-12**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/12/26 09:48	03/12/26 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				03/12/26 09:48	03/12/26 17:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/12/26 09:48	03/12/26 17:29	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			03/12/26 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/15/26 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 20:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				03/13/26 08:48	03/15/26 20:46	1
o-Terphenyl (Surr)	118		70 - 130				03/13/26 08:48	03/15/26 20:46	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		10.0		mg/Kg			03/12/26 17:21	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 13 (4.5')**

**Lab Sample ID: 890-9630-13**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 17:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 17:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 17:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 17:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/12/26 09:48	03/12/26 17:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/12/26 09:48	03/12/26 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	03/12/26 09:48	03/12/26 17:49	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/12/26 09:48	03/12/26 17:49	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/12/26 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			03/15/26 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		03/13/26 08:48	03/15/26 21:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		03/13/26 08:48	03/15/26 21:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		03/13/26 08:48	03/15/26 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	03/13/26 08:48	03/15/26 21:01	1
o-Terphenyl (Surr)	118		70 - 130	03/13/26 08:48	03/15/26 21:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/12/26 17:27	1

**Client Sample ID: CS - 14 (4.5')**

**Lab Sample ID: 890-9630-14**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 18:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 18:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 18:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 18:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/12/26 09:48	03/12/26 18:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/12/26 09:48	03/12/26 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	03/12/26 09:48	03/12/26 18:10	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/12/26 09:48	03/12/26 18:10	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 14 (4.5')**

**Lab Sample ID: 890-9630-14**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/12/26 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/15/26 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/13/26 08:48	03/15/26 21:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/13/26 08:48	03/15/26 21:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/13/26 08:48	03/15/26 21:16	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	129		70 - 130				03/13/26 08:48	03/15/26 21:16	1
o-Terphenyl (Surr)	121		70 - 130				03/13/26 08:48	03/15/26 21:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/12/26 17:33	1

**Client Sample ID: CS - 15 (4.5')**

**Lab Sample ID: 890-9630-15**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/12/26 09:48	03/12/26 18:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				03/12/26 09:48	03/12/26 18:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/12/26 09:48	03/12/26 18:30	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/12/26 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/15/26 21:31	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	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 21:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 21:31	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 15 (4.5')**

**Lab Sample ID: 890-9630-15**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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		03/13/26 08:48	03/15/26 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130				03/13/26 08:48	03/15/26 21:31	1
o-Terphenyl (Surr)	125		70 - 130				03/13/26 08:48	03/15/26 21:31	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 17:38	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9630-1	CS - 1 (1.5')	135 S1+	92
890-9630-1 MS	CS - 1 (1.5')	128	92
890-9630-1 MSD	CS - 1 (1.5')	132 S1+	90
890-9630-2	CS - 2 (1.5')	136 S1+	93
890-9630-3	CS - 3 (1.5')	137 S1+	90
890-9630-4	CS - 4 (1.5')	136 S1+	94
890-9630-5	CS - 5 (3.5')	140 S1+	92
890-9630-6	CS - 6 (3.5')	143 S1+	91
890-9630-7	CS - 7 (3.5')	133 S1+	94
890-9630-8	CS - 8 (3.5')	140 S1+	90
890-9630-9	CS - 9 (3.5')	139 S1+	89
890-9630-10	CS - 10 (4.5')	136 S1+	90
890-9630-11	CS - 11 (4.5')	139 S1+	89
890-9630-12	CS - 12 (4.5')	136 S1+	91
890-9630-13	CS - 13 (4.5')	143 S1+	85
890-9630-14	CS - 14 (4.5')	140 S1+	90
890-9630-15	CS - 15 (4.5')	138 S1+	89
LCS 880-134669/1-A	Lab Control Sample	124	92
LCSD 880-134669/2-A	Lab Control Sample Dup	127	95
MB 880-134669/5-A	Method Blank	131 S1+	84

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9630-1	CS - 1 (1.5')	108	104
890-9630-2	CS - 2 (1.5')	126	121
890-9630-3	CS - 3 (1.5')	118	113
890-9630-4	CS - 4 (1.5')	112	108
890-9630-5	CS - 5 (3.5')	105	100
890-9630-6	CS - 6 (3.5')	128	122
890-9630-7	CS - 7 (3.5')	105	100
890-9630-8	CS - 8 (3.5')	131 S1+	125
890-9630-9	CS - 9 (3.5')	113	110
890-9630-9 MS	CS - 9 (3.5')	154 S1+	122
890-9630-9 MSD	CS - 9 (3.5')	118	119
890-9630-10	CS - 10 (4.5')	134 S1+	129
890-9630-11	CS - 11 (4.5')	125	118
890-9630-12	CS - 12 (4.5')	125	118
890-9630-13	CS - 13 (4.5')	125	118
890-9630-14	CS - 14 (4.5')	129	121
890-9630-15	CS - 15 (4.5')	133 S1+	125
LCS 880-134753/2-A	Lab Control Sample	117	97
LCSD 880-134753/3-A	Lab Control Sample Dup	83	88

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### Surrogate Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-134753/1-A	Method Blank	59 S1-	54 S1-

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-134669/5-A  
 Matrix: Solid  
 Analysis Batch: 134655

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 134669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/12/26 09:48	03/12/26 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/12/26 09:48	03/12/26 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/12/26 09:48	03/12/26 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	03/12/26 09:48	03/12/26 11:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/12/26 09:48	03/12/26 11:39	1

Lab Sample ID: LCS 880-134669/1-A  
 Matrix: Solid  
 Analysis Batch: 134655

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 134669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.09698		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2155		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1065		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-134669/2-A  
 Matrix: Solid  
 Analysis Batch: 134655

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 134669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	1	35
Toluene	0.100	0.09640		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2247		mg/Kg		112	70 - 130	4	35
o-Xylene	0.100	0.1113		mg/Kg		111	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-9630-1 MS  
 Matrix: Solid  
 Analysis Batch: 134655

Client Sample ID: CS - 1 (1.5')  
 Prep Type: Total/NA  
 Prep Batch: 134669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09292		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.08695		mg/Kg		87	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-9630-1 MS

Client Sample ID: CS - 1 (1.5')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134655

Prep Batch: 134669

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.09702		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1990		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09740		mg/Kg		97	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-9630-1 MSD

Client Sample ID: CS - 1 (1.5')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134655

Prep Batch: 134669

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09578		mg/Kg		96	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09372		mg/Kg		94	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1050		mg/Kg		105	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2155		mg/Kg		108	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.1054		mg/Kg		105	70 - 130	8	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-134753/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134907

Prep Batch: 134753

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	59	S1-	70 - 130	03/13/26 08:48	03/15/26 16:35	1
o-Terphenyl (Surr)	54	S1-	70 - 130	03/13/26 08:48	03/15/26 16:35	1

Lab Sample ID: LCS 880-134753/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134907

Prep Batch: 134753

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	995.1		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	977.2		mg/Kg		98	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: LCS 880-134753/2-A**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	97		70 - 130

**Lab Sample ID: LCSD 880-134753/3-A**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	846.5		mg/Kg		85	70 - 130	16		20
Diesel Range Organics (Over C10-C28)	1000	877.5		mg/Kg		88	70 - 130	11		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	88		70 - 130

**Lab Sample ID: 890-9630-9 MS**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: CS - 9 (3.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1213		mg/Kg		120	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1174		mg/Kg		116	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	154	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

**Lab Sample ID: 890-9630-9 MSD**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: CS - 9 (3.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1218		mg/Kg		120	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1162		mg/Kg		114	70 - 130	1		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	119		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Method: 300.0 - Anions, Ion Chromatography**

Lab Sample ID: MB 880-134651/1-A  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 13:31	1

Lab Sample ID: LCS 880-134651/2-A  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-134651/3-A  
 Matrix: Solid  
 Analysis Batch: 134671

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	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-9630-2 MS  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: CS - 2 (1.5')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.0	U	251	250.2		mg/Kg		97	90 - 110

Lab Sample ID: 890-9630-2 MSD  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: CS - 2 (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	<10.0	U	251	256.3		mg/Kg		100	90 - 110	2	20

Lab Sample ID: MB 880-134675/1-A  
 Matrix: Solid  
 Analysis Batch: 134696

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 14:56	1

Lab Sample ID: LCS 880-134675/2-A  
 Matrix: Solid  
 Analysis Batch: 134696

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.6		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-134675/3-A  
 Matrix: Solid  
 Analysis Batch: 134696

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	232.4		mg/Kg		93	90 - 110	3	20

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Method: 300.0 - Anions, Ion Chromatography**

**Lab Sample ID: 880-69504-A-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 134696**

**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	184		251	413.8		mg/Kg		92	90 - 110

**Lab Sample ID: 880-69504-A-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 134696**

**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	184		251	427.8		mg/Kg		97	90 - 110	3	20

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

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

#### GC VOA

##### Analysis Batch: 134655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	8021B	134669
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	8021B	134669
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	8021B	134669
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	8021B	134669
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	8021B	134669
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	8021B	134669
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	8021B	134669
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	8021B	134669
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	8021B	134669
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	8021B	134669
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	8021B	134669
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	8021B	134669
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	8021B	134669
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	8021B	134669
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	8021B	134669
MB 880-134669/5-A	Method Blank	Total/NA	Solid	8021B	134669
LCS 880-134669/1-A	Lab Control Sample	Total/NA	Solid	8021B	134669
LCS D 880-134669/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	134669
890-9630-1 MS	CS - 1 (1.5')	Total/NA	Solid	8021B	134669
890-9630-1 MSD	CS - 1 (1.5')	Total/NA	Solid	8021B	134669

##### Prep Batch: 134669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	5035	
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	5035	
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	5035	
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	5035	
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	5035	
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	5035	
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	5035	
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	5035	
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	5035	
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	5035	
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	5035	
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	5035	
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	5035	
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	5035	
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	5035	
MB 880-134669/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-134669/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS D 880-134669/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9630-1 MS	CS - 1 (1.5')	Total/NA	Solid	5035	
890-9630-1 MSD	CS - 1 (1.5')	Total/NA	Solid	5035	

##### Analysis Batch: 134725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	Total BTEX	
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	Total BTEX	
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	Total BTEX	
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	Total BTEX	
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

## GC VOA (Continued)

## Analysis Batch: 134725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	Total BTEX	
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	Total BTEX	
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	Total BTEX	
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	Total BTEX	
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	Total BTEX	
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	Total BTEX	
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	Total BTEX	
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	Total BTEX	
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	Total BTEX	
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 134753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	8015NM Prep	
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	8015NM Prep	
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	8015NM Prep	
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	8015NM Prep	
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	8015NM Prep	
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	8015NM Prep	
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	8015NM Prep	
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	8015NM Prep	
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	8015NM Prep	
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-134753/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-134753/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-134753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9630-9 MS	CS - 9 (3.5')	Total/NA	Solid	8015NM Prep	
890-9630-9 MSD	CS - 9 (3.5')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 134907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	8015B NM	134753
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	8015B NM	134753
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	8015B NM	134753
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	8015B NM	134753
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	8015B NM	134753
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	8015B NM	134753
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	8015B NM	134753
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	8015B NM	134753

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 134907 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	8015B NM	134753
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	8015B NM	134753
MB 880-134753/1-A	Method Blank	Total/NA	Solid	8015B NM	134753
LCS 880-134753/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	134753
LCSD 880-134753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	134753
890-9630-9 MS	CS - 9 (3.5')	Total/NA	Solid	8015B NM	134753
890-9630-9 MSD	CS - 9 (3.5')	Total/NA	Solid	8015B NM	134753

## Analysis Batch: 135013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Total/NA	Solid	8015 NM	
890-9630-2	CS - 2 (1.5')	Total/NA	Solid	8015 NM	
890-9630-3	CS - 3 (1.5')	Total/NA	Solid	8015 NM	
890-9630-4	CS - 4 (1.5')	Total/NA	Solid	8015 NM	
890-9630-5	CS - 5 (3.5')	Total/NA	Solid	8015 NM	
890-9630-6	CS - 6 (3.5')	Total/NA	Solid	8015 NM	
890-9630-7	CS - 7 (3.5')	Total/NA	Solid	8015 NM	
890-9630-8	CS - 8 (3.5')	Total/NA	Solid	8015 NM	
890-9630-9	CS - 9 (3.5')	Total/NA	Solid	8015 NM	
890-9630-10	CS - 10 (4.5')	Total/NA	Solid	8015 NM	
890-9630-11	CS - 11 (4.5')	Total/NA	Solid	8015 NM	
890-9630-12	CS - 12 (4.5')	Total/NA	Solid	8015 NM	
890-9630-13	CS - 13 (4.5')	Total/NA	Solid	8015 NM	
890-9630-14	CS - 14 (4.5')	Total/NA	Solid	8015 NM	
890-9630-15	CS - 15 (4.5')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 134651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Soluble	Solid	DI Leach	
890-9630-2	CS - 2 (1.5')	Soluble	Solid	DI Leach	
890-9630-3	CS - 3 (1.5')	Soluble	Solid	DI Leach	
890-9630-4	CS - 4 (1.5')	Soluble	Solid	DI Leach	
890-9630-5	CS - 5 (3.5')	Soluble	Solid	DI Leach	
890-9630-6	CS - 6 (3.5')	Soluble	Solid	DI Leach	
890-9630-7	CS - 7 (3.5')	Soluble	Solid	DI Leach	
890-9630-8	CS - 8 (3.5')	Soluble	Solid	DI Leach	
890-9630-9	CS - 9 (3.5')	Soluble	Solid	DI Leach	
890-9630-10	CS - 10 (4.5')	Soluble	Solid	DI Leach	
890-9630-11	CS - 11 (4.5')	Soluble	Solid	DI Leach	
MB 880-134651/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-134651/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-134651/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9630-2 MS	CS - 2 (1.5')	Soluble	Solid	DI Leach	
890-9630-2 MSD	CS - 2 (1.5')	Soluble	Solid	DI Leach	

## Analysis Batch: 134671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-1	CS - 1 (1.5')	Soluble	Solid	300.0	134651
890-9630-2	CS - 2 (1.5')	Soluble	Solid	300.0	134651

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 134671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-3	CS - 3 (1.5')	Soluble	Solid	300.0	134651
890-9630-4	CS - 4 (1.5')	Soluble	Solid	300.0	134651
890-9630-5	CS - 5 (3.5')	Soluble	Solid	300.0	134651
890-9630-6	CS - 6 (3.5')	Soluble	Solid	300.0	134651
890-9630-7	CS - 7 (3.5')	Soluble	Solid	300.0	134651
890-9630-8	CS - 8 (3.5')	Soluble	Solid	300.0	134651
890-9630-9	CS - 9 (3.5')	Soluble	Solid	300.0	134651
890-9630-10	CS - 10 (4.5')	Soluble	Solid	300.0	134651
890-9630-11	CS - 11 (4.5')	Soluble	Solid	300.0	134651
MB 880-134651/1-A	Method Blank	Soluble	Solid	300.0	134651
LCS 880-134651/2-A	Lab Control Sample	Soluble	Solid	300.0	134651
LCSD 880-134651/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	134651
890-9630-2 MS	CS - 2 (1.5')	Soluble	Solid	300.0	134651
890-9630-2 MSD	CS - 2 (1.5')	Soluble	Solid	300.0	134651

## Leach Batch: 134675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-12	CS - 12 (4.5')	Soluble	Solid	DI Leach	
890-9630-13	CS - 13 (4.5')	Soluble	Solid	DI Leach	
890-9630-14	CS - 14 (4.5')	Soluble	Solid	DI Leach	
890-9630-15	CS - 15 (4.5')	Soluble	Solid	DI Leach	
MB 880-134675/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-134675/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-134675/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69504-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-69504-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 134696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9630-12	CS - 12 (4.5')	Soluble	Solid	300.0	134675
890-9630-13	CS - 13 (4.5')	Soluble	Solid	300.0	134675
890-9630-14	CS - 14 (4.5')	Soluble	Solid	300.0	134675
890-9630-15	CS - 15 (4.5')	Soluble	Solid	300.0	134675
MB 880-134675/1-A	Method Blank	Soluble	Solid	300.0	134675
LCS 880-134675/2-A	Lab Control Sample	Soluble	Solid	300.0	134675
LCSD 880-134675/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	134675
880-69504-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	134675
880-69504-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	134675

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 1 (1.5')**

**Lab Sample ID: 890-9630-1**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 12:01	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 12:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 22:45	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:18	SMC	EET MID

**Client Sample ID: CS - 2 (1.5')**

**Lab Sample ID: 890-9630-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 12:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 12:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 23:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 23:01	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:25	SMC	EET MID

**Client Sample ID: CS - 3 (1.5')**

**Lab Sample ID: 890-9630-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 12:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 12:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 23:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 23:15	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:45	SMC	EET MID

**Client Sample ID: CS - 4 (1.5')**

**Lab Sample ID: 890-9630-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 13:02	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 13:02	SA	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 4 (1.5')**

**Lab Sample ID: 890-9630-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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			135013	03/15/26 23:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 23:30	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:52	SMC	EET MID

**Client Sample ID: CS - 5 (3.5')**

**Lab Sample ID: 890-9630-5**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 13:23	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 13:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 23:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 23:45	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:12	SMC	EET MID

**Client Sample ID: CS - 6 (3.5')**

**Lab Sample ID: 890-9630-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 13:43	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 13:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/16/26 00:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/16/26 00:00	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:18	SMC	EET MID

**Client Sample ID: CS - 7 (3.5')**

**Lab Sample ID: 890-9630-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 14:03	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 14:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/16/26 00:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/16/26 00:14	FC	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 7 (3.5')**

**Lab Sample ID: 890-9630-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:25	SMC	EET MID

**Client Sample ID: CS - 8 (3.5')**

**Lab Sample ID: 890-9630-8**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 14:24	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 14:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/16/26 00:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/16/26 00:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:32	SMC	EET MID

**Client Sample ID: CS - 9 (3.5')**

**Lab Sample ID: 890-9630-9**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 14:44	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 14:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 19:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 19:33	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:39	SMC	EET MID

**Client Sample ID: CS - 10 (4.5')**

**Lab Sample ID: 890-9630-10**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 15:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 15:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 20:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 20:17	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:45	SMC	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 11 (4.5')**

**Lab Sample ID: 890-9630-11**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 17:08	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 17:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 20:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 20:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 16:52	SMC	EET MID

**Client Sample ID: CS - 12 (4.5')**

**Lab Sample ID: 890-9630-12**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 17:29	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 17:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 20:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 20:46	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	134675	03/12/26 10:35	SI	EET MID
Soluble	Analysis	300.0		1			134696	03/12/26 17:21	SMC	EET MID

**Client Sample ID: CS - 13 (4.5')**

**Lab Sample ID: 890-9630-13**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 17:49	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 17:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 21:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 21:01	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	134675	03/12/26 10:35	SI	EET MID
Soluble	Analysis	300.0		1			134696	03/12/26 17:27	SMC	EET MID

**Client Sample ID: CS - 14 (4.5')**

**Lab Sample ID: 890-9630-14**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 18:10	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 18:10	SA	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
 SDG: Lea County New Mexico

**Client Sample ID: CS - 14 (4.5')**

**Lab Sample ID: 890-9630-14**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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			135013	03/15/26 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 21:16	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	134675	03/12/26 10:35	SI	EET MID
Soluble	Analysis	300.0		1			134696	03/12/26 17:33	SMC	EET MID

**Client Sample ID: CS - 15 (4.5')**

**Lab Sample ID: 890-9630-15**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134669	03/12/26 09:48	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134655	03/12/26 18:30	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134725	03/12/26 18:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			135013	03/15/26 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 21:31	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	134675	03/12/26 10:35	SI	EET MID
Soluble	Analysis	300.0		1			134696	03/12/26 17:38	SMC	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 890-9630-1  
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9630-1	CS - 1 (1.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-2	CS - 2 (1.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-3	CS - 3 (1.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-4	CS - 4 (1.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-5	CS - 5 (3.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-6	CS - 6 (3.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-7	CS - 7 (3.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-8	CS - 8 (3.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-9	CS - 9 (3.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-10	CS - 10 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-11	CS - 11 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-12	CS - 12 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-13	CS - 13 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-14	CS - 14 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9630-15	CS - 15 (4.5')	Solid	03/11/26 00:00	03/11/26 15:11	Texas

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# Chain of Custody

Work Order No: \_\_\_\_\_

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**Work Order Comments**

Program: UST/PST PRP Brownfields RC perfund

State of Project: Level II Level III ST/UST RRP Level IV

Reporting: Level II Level III ST/UST RRP Level IV

Deliverables: EDD ADaPT Other: \_\_\_\_\_

**Project Manager:** Ashton Thielke  
**Company Name:** Carmona Resources  
**Address:** 310 W Wall St Ste 500  
 Midland, TX 79701  
**Phone:** 432-813-8988

**Bill to: (if different)**  
**Company Name:** Cimarex Energy  
**Address:** 600 N Marienfield St, Suite 600  
 Midland, TX 79701  
**Email:** laci.luig@coferra.com & ashton.thielke@coferra.com

**Project Name:** Legacy Fed Unit 34H Flowline  
**Project Number:** 3016  
**Project Location:** Lea County, New Mexico  
**Sampler's Name:** KR  
**PO #:**

**Turn Around**  
Routine Rush  
**Due Date:** 72 Hours

**Wet Ice:** Yes  No   
**Thermometer ID:** 12000  
**Correction Factor:** -0.2  
**Temperature Reading:** 1.6  
**Corrected Temperature:** 1.4

**Received Intact:** Yes  No   
**Cooler Custody Seals:** Yes  No   
**Sample Custody Seals:** Yes  No   
**Total Containers:** 1.4

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code
							TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
CS-1 (1.5')	3/11/2026		X		C	1	X	X	
CS-2 (1.5')	3/11/2026		X		C	1	X	X	
CS-3 (1.5')	3/11/2026		X		C	1	X	X	
CS-4 (1.5')	3/11/2026		X		C	1	X	X	
CS-5 (3.5')	3/11/2026		X		C	1	X	X	
CS-6 (3.5')	3/11/2026		X		C	1	X	X	
CS-7 (3.5')	3/11/2026		X		C	1	X	X	
CS-8 (3.5')	3/11/2026		X		C	1	X	X	
CS-9 (3.5')	3/11/2026		X		C	1	X	X	
CS-10 (4.5')	3/11/2026		X		C	1	X	X	

**ANALYSIS REQUEST**

Barcode: 890-9630 Chain of Custody

**Preservative Codes**  
 None: NO  
 DI Water: H<sub>2</sub>O  
 Cool: Cool  
 MeOH: Me  
 HCL: HC  
 HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: NABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SAPC

**Sample Comments**

**Comments:**

**Relinquished by: (Signature)** *[Signature]*

**Received by: (Signature)** *[Signature]*

**Date/Time** 3/11/2026 3:11 PM



# Chain of Custody

Work Order No: \_\_\_\_\_

Page 2 of 2

**Work Order Comments**

Program:  PST  PRP  Brownfields  RC  Perfund

State of Project:  Level II  Level III  ST/UST  RRP  Level IV

Reporting:  Level II  Level III  ST/UST  RRP  Level IV

Deliverables:  EDD  ADaPT  Other: \_\_\_\_\_

Project Manager: Ashton Thielke Company Name: Carrona Resources Address: 310 W Wall St Ste 500 City, State ZIP: Midland, TX 79701 Phone: 432-813-8988	Bill to: (if different) Company Name: Cimarex Energy Address: 600 N Marinenfield St, Suite 600 City, State ZIP: Midland, TX 79701 Email: laci.luig@coterra.com & ashton.thielke@coterra.com
---	---

Project Name: Legacy Fed Unit 34H Flowline Project Number: 3016 Project Location: Lea County, New Mexico Sampler's Name: KR PO #: _____	Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush Due Date: 72 Hours	Pres. Code	ANALYSIS REQUEST Hold Chloride 300.0 TPH 8015M (GRO + DRO + MRO) BTEX 8021B	Preservative Codes None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
---	--	------------	---	--

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	
							TPH 8015M (GRO + DRO + MRO)	BTEX 8021B
CS-11 (4.5')	3/11/2026		X		C	1	X	X
CS-12 (4.5')	3/11/2026		X		C	1	X	X
CS-13 (4.5')	3/11/2026		X		C	1	X	X
CS-14 (4.5')	3/11/2026		X		C	1	X	X
CS-15 (4.5')	3/11/2026		X		C	1	X	X

**SAMPLE RECEIPT**

Received Intact: Yes  No  Thermometer ID: \_\_\_\_\_  
 Cooler Custody Seals: Yes  No  Correction Factor: \_\_\_\_\_  
 Sample Custody Seals: Yes  No  Temperature Reading: \_\_\_\_\_  
 Total Containers: \_\_\_\_\_ Corrected Temperature: 1.4

Comments:

Relinquished by: (Signature)	Received by: (Signature)
Date/Time: _____	Date/Time: 3/11/2026



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9630-1  
SDG Number: Lea County New Mexico

**Login Number: 9630**

**List Number: 1**

**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9630-1  
SDG Number: Lea County New Mexico

**Login Number: 9630**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 03/12/26 07:27 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/16/2026 3:57:51 PM

## JOB DESCRIPTION

Legacy Fed Unit 34H Flowline  
 Lea County New Mexico

## JOB NUMBER

890-9629-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
3/16/2026 3:57:51 PM

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

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Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Laboratory Job ID: 890-9629-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
SDG: Lea County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources  
Project: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1

**Job ID: 890-9629-1**

**Eurofins Carlsbad**

## Job Narrative 890-9629-1

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

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

### Receipt

The samples were received on 3/11/2026 3:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (1.5) (890-9629-1), SW-2 (1.5) (890-9629-2), SW-3 (1.5-3.5) (890-9629-3), SW-4 (1.5-4.5) (890-9629-4), SW-5 (3.5) (890-9629-5), SW-6 (3.5) (890-9629-6), SW-7 (3.5-4.5) (890-9629-7), SW-8 (4.5) (890-9629-8) and SW-9 (4.5) (890-9629-9).

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-134571 and analytical batch 880-134712 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-134753/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (890-9630-A-9-H MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### HPLC/IC

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-1 (1.5)**

**Lab Sample ID: 890-9629-1**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 06:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 06:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 06:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/11/26 10:50	03/13/26 06:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 06:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/11/26 10:50	03/13/26 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/11/26 10:50	03/13/26 06:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/11/26 10:50	03/13/26 06:24	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/13/26 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/26 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	03/12/26 20:17	03/14/26 11:17	1
o-Terphenyl (Surr)	93		70 - 130	03/12/26 20:17	03/14/26 11:17	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/12/26 13:51	1

**Client Sample ID: SW-2 (1.5)**

**Lab Sample ID: 890-9629-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 06:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 06:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 06:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/11/26 10:50	03/13/26 06:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 06:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/11/26 10:50	03/13/26 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/11/26 10:50	03/13/26 06:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/11/26 10:50	03/13/26 06:45	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-2 (1.5)**

**Lab Sample ID: 890-9629-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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			03/13/26 06:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/14/26 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	82		70 - 130				03/12/26 20:17	03/14/26 12:01	1
o-Terphenyl (Surr)	90		70 - 130				03/12/26 20:17	03/14/26 12:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 14:11	1

**Client Sample ID: SW-3 (1.5-3.5)**

**Lab Sample ID: 890-9629-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/11/26 10:50	03/13/26 07:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	99		70 - 130				03/11/26 10:50	03/13/26 07:05	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/11/26 10:50	03/13/26 07:05	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/26 07:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/14/26 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/12/26 20:17	03/14/26 12:15	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/12/26 20:17	03/14/26 12:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-3 (1.5-3.5)**

**Lab Sample ID: 890-9629-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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)	<50.2	U	50.2		mg/Kg		03/12/26 20:17	03/14/26 12:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	82		70 - 130				03/12/26 20:17	03/14/26 12:15	1
o-Terphenyl (Surr)	92		70 - 130				03/12/26 20:17	03/14/26 12:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			03/12/26 14:18	1

**Client Sample ID: SW-4 (1.5-4.5)**

**Lab Sample ID: 890-9629-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**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		03/11/26 10:50	03/13/26 07:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/11/26 10:50	03/13/26 07:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/11/26 10:50	03/13/26 07:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/11/26 10:50	03/13/26 07:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/11/26 10:50	03/13/26 07:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/11/26 10:50	03/13/26 07:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	104		70 - 130				03/11/26 10:50	03/13/26 07:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/11/26 10:50	03/13/26 07:26	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			03/13/26 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/14/26 12:30	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	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	79		70 - 130				03/12/26 20:17	03/14/26 12:30	1
o-Terphenyl (Surr)	88		70 - 130				03/12/26 20:17	03/14/26 12:30	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			03/12/26 14:25	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-5 (3.5)**

**Lab Sample ID: 890-9629-5**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 08:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 08:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 08:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/26 10:50	03/13/26 08:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 08:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/26 10:50	03/13/26 08:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/11/26 10:50	03/13/26 08:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/11/26 10:50	03/13/26 08:49	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			03/13/26 08:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/14/26 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/12/26 20:17	03/14/26 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	03/12/26 20:17	03/14/26 12:44	1
o-Terphenyl (Surr)	93		70 - 130	03/12/26 20:17	03/14/26 12:44	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			03/12/26 14:31	1

**Client Sample ID: SW-6 (3.5)**

**Lab Sample ID: 890-9629-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 09:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 09:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 09:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/11/26 10:50	03/13/26 09:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 09:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/11/26 10:50	03/13/26 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/11/26 10:50	03/13/26 09:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/11/26 10:50	03/13/26 09:09	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-6 (3.5)**

**Lab Sample ID: 890-9629-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/13/26 09:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/26 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 12:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 12:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 12:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	88		70 - 130				03/12/26 20:17	03/14/26 12:58	1
o-Terphenyl (Surr)	95		70 - 130				03/12/26 20:17	03/14/26 12:58	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			03/12/26 14:51	1

**Client Sample ID: SW-7 (3.5-4.5)**

**Lab Sample ID: 890-9629-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/11/26 10:50	03/13/26 09:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	103		70 - 130				03/11/26 10:50	03/13/26 09:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/11/26 10:50	03/13/26 09:30	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/13/26 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/15/26 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 21:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 21:46	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-7 (3.5-4.5)**

**Lab Sample ID: 890-9629-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/13/26 08:48	03/15/26 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130				03/13/26 08:48	03/15/26 21:46	1
o-Terphenyl (Surr)	121		70 - 130				03/13/26 08:48	03/15/26 21:46	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		9.92		mg/Kg			03/12/26 14:58	1

**Client Sample ID: SW-8 (4.5)**

**Lab Sample ID: 890-9629-8**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/11/26 10:50	03/13/26 09:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/11/26 10:50	03/13/26 09:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/11/26 10:50	03/13/26 09:51	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/13/26 09:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/15/26 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 22:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 22:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 22:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130				03/13/26 08:48	03/15/26 22:01	1
o-Terphenyl (Surr)	110		70 - 130				03/13/26 08:48	03/15/26 22:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 15:05	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-9 (4.5)**

**Lab Sample ID: 890-9629-9**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 10:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 10:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 10:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/11/26 10:50	03/13/26 10:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/11/26 10:50	03/13/26 10:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/11/26 10:50	03/13/26 10:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/11/26 10:50	03/13/26 10:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/11/26 10:50	03/13/26 10:11	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/13/26 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/15/26 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 22:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 22:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/13/26 08:48	03/15/26 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	03/13/26 08:48	03/15/26 22:15	1
o-Terphenyl (Surr)	118		70 - 130	03/13/26 08:48	03/15/26 22:15	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			03/12/26 15:12	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-69301-A-1-C MS	Matrix Spike	92	89
880-69301-A-1-D MSD	Matrix Spike Duplicate	103	102
890-9629-1	SW-1 (1.5)	100	97
890-9629-2	SW-2 (1.5)	102	102
890-9629-3	SW-3 (1.5-3.5)	99	100
890-9629-4	SW-4 (1.5-4.5)	104	100
890-9629-5	SW-5 (3.5)	106	103
890-9629-6	SW-6 (3.5)	104	104
890-9629-7	SW-7 (3.5-4.5)	103	101
890-9629-8	SW-8 (4.5)	101	97
890-9629-9	SW-9 (4.5)	101	100
LCS 880-134571/1-A	Lab Control Sample	101	101
LCSD 880-134571/2-A	Lab Control Sample Dup	99	99
MB 880-134571/5-A	Method Blank	97	97
MB 880-134576/5-A	Method Blank	97	97

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)  
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9629-1	SW-1 (1.5)	85	93
890-9629-1 MS	SW-1 (1.5)	97	94
890-9629-1 MSD	SW-1 (1.5)	96	92
890-9629-2	SW-2 (1.5)	82	90
890-9629-3	SW-3 (1.5-3.5)	82	92
890-9629-4	SW-4 (1.5-4.5)	79	88
890-9629-5	SW-5 (3.5)	83	93
890-9629-6	SW-6 (3.5)	88	95
890-9629-7	SW-7 (3.5-4.5)	128	121
890-9629-8	SW-8 (4.5)	115	110
890-9629-9	SW-9 (4.5)	121	118
890-9630-A-9-H MS	Matrix Spike	154 S1+	122
890-9630-A-9-I MSD	Matrix Spike Duplicate	118	119
LCS 880-134171/2-A	Lab Control Sample	70	95
LCS 880-134753/2-A	Lab Control Sample	117	97
LCSD 880-134171/3-A	Lab Control Sample Dup	76	102
LCSD 880-134753/3-A	Lab Control Sample Dup	83	88
MB 880-134171/1-A	Method Blank	71	78
MB 880-134753/1-A	Method Blank	59 S1-	54 S1-

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)  
OTPH = o-Terphenyl (Surr)

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-134571/5-A  
 Matrix: Solid  
 Analysis Batch: 134712

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 134571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 03:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 03:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 03:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/26 10:50	03/13/26 03:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/26 10:50	03/13/26 03:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/26 10:50	03/13/26 03:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/11/26 10:50	03/13/26 03:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/11/26 10:50	03/13/26 03:59	1

Lab Sample ID: LCS 880-134571/1-A  
 Matrix: Solid  
 Analysis Batch: 134712

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 134571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08425		mg/Kg		84	70 - 130
Toluene	0.100	0.07335		mg/Kg		73	70 - 130
Ethylbenzene	0.100	0.08094		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1559		mg/Kg		78	70 - 130
o-Xylene	0.100	0.08224		mg/Kg		82	70 - 130

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

Lab Sample ID: LCSD 880-134571/2-A  
 Matrix: Solid  
 Analysis Batch: 134712

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 134571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1115		mg/Kg		111	70 - 130	28	35
Toluene	0.100	0.09678		mg/Kg		97	70 - 130	28	35
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130	26	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	22	35

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

Lab Sample ID: 880-69301-A-1-C MS  
 Matrix: Solid  
 Analysis Batch: 134712

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 134571

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06141	F1	mg/Kg		61	70 - 130
Toluene	<0.00200	U F1	0.100	0.04986	F1	mg/Kg		50	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-69301-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134712

Prep Batch: 134571

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F1	0.100	0.05702	F1	mg/Kg		57	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1068	F1	mg/Kg		53	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05257	F1	mg/Kg		53	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-69301-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134712

Prep Batch: 134571

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F1	0.100	0.07782		mg/Kg		78	70 - 130	24	35
Toluene	<0.00200	U F1	0.100	0.05898	F1	mg/Kg		59	70 - 130	17	35
Ethylbenzene	<0.00200	U F1	0.100	0.05953	F1	mg/Kg		60	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1086	F1	mg/Kg		54	70 - 130	2	35
o-Xylene	<0.00200	U F1	0.100	0.05447	F1	mg/Kg		54	70 - 130	4	35

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

Lab Sample ID: MB 880-134576/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134712

Prep Batch: 134576

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/26 11:24	03/12/26 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/26 11:24	03/12/26 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/26 11:24	03/12/26 17:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/26 11:24	03/12/26 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/26 11:24	03/12/26 17:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/26 11:24	03/12/26 17:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	97		70 - 130	03/11/26 11:24	03/12/26 17:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/11/26 11:24	03/12/26 17:20	1

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

Lab Sample ID: MB 880-134171/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 134884

Prep Batch: 134171

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 07:39	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: MB 880-134171/1-A**  
**Matrix: Solid**  
**Analysis Batch: 134884**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 134171**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 07:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/12/26 20:17	03/14/26 07:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	71		70 - 130	03/12/26 20:17	03/14/26 07:39	1
o-Terphenyl (Surr)	78		70 - 130	03/12/26 20:17	03/14/26 07:39	1

**Lab Sample ID: LCS 880-134171/2-A**  
**Matrix: Solid**  
**Analysis Batch: 134884**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 134171**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	894.0		mg/Kg		89	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	70		70 - 130
o-Terphenyl (Surr)	95		70 - 130

**Lab Sample ID: LCSD 880-134171/3-A**  
**Matrix: Solid**  
**Analysis Batch: 134884**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 134171**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	1075		mg/Kg		108	70 - 130	18	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	76		70 - 130
o-Terphenyl (Surr)	102		70 - 130

**Lab Sample ID: 890-9629-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 134884**

**Client Sample ID: SW-1 (1.5)**  
**Prep Type: Total/NA**  
**Prep Batch: 134171**

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	891.4		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	847.4		mg/Kg		85	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	94		70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: 890-9629-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 134884**

**Client Sample ID: SW-1 (1.5)**  
**Prep Type: Total/NA**  
**Prep Batch: 134171**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	892.7		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	816.9		mg/Kg		82	70 - 130	4	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	96		70 - 130								
o-Terphenyl (Surr)	92		70 - 130								

**Lab Sample ID: MB 880-134753/1-A**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 08:48	03/15/26 16:35	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	59	S1-	70 - 130				03/13/26 08:48	03/15/26 16:35	1
o-Terphenyl (Surr)	54	S1-	70 - 130				03/13/26 08:48	03/15/26 16:35	1

**Lab Sample ID: LCS 880-134753/2-A**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	995.1		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	977.2		mg/Kg		98	70 - 130		
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	117		70 - 130						
o-Terphenyl (Surr)	97		70 - 130						

**Lab Sample ID: LCSD 880-134753/3-A**  
**Matrix: Solid**  
**Analysis Batch: 134907**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 134753**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	846.5		mg/Kg		85	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	877.5		mg/Kg		88	70 - 130	11	20

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-134753/3-A  
 Matrix: Solid  
 Analysis Batch: 134907

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 134753

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: 890-9630-A-9-H MS  
 Matrix: Solid  
 Analysis Batch: 134907

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 134753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1213		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1174		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	154	S1+	70 - 130
o-Terphenyl (Surr)	122		70 - 130

Lab Sample ID: 890-9630-A-9-I MSD  
 Matrix: Solid  
 Analysis Batch: 134907

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 134753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1218		mg/Kg		120	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1162		mg/Kg		114	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	119		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-134651/1-A  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/12/26 13:31	1

Lab Sample ID: LCS 880-134651/2-A  
 Matrix: Solid  
 Analysis Batch: 134671

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

**Lab Sample ID: LCSD 880-134651/3-A**  
**Matrix: Solid**  
**Analysis Batch: 134671**

**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	245.6		mg/Kg		98	90 - 110	0	20

**Lab Sample ID: 890-9629-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 134671**

**Client Sample ID: SW-1 (1.5)**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<10.1	U	252	255.2		mg/Kg		97	90 - 110

**Lab Sample ID: 890-9629-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 134671**

**Client Sample ID: SW-1 (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	<10.1	U	252	256.9		mg/Kg		98	90 - 110	1	20

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

## GC VOA

## Prep Batch: 134571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	5035	
890-9629-2	SW-2 (1.5)	Total/NA	Solid	5035	
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	5035	
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	5035	
890-9629-5	SW-5 (3.5)	Total/NA	Solid	5035	
890-9629-6	SW-6 (3.5)	Total/NA	Solid	5035	
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	5035	
890-9629-8	SW-8 (4.5)	Total/NA	Solid	5035	
890-9629-9	SW-9 (4.5)	Total/NA	Solid	5035	
MB 880-134571/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-134571/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-134571/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-69301-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-69301-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 134576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-134576/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 134712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	8021B	134571
890-9629-2	SW-2 (1.5)	Total/NA	Solid	8021B	134571
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	8021B	134571
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	8021B	134571
890-9629-5	SW-5 (3.5)	Total/NA	Solid	8021B	134571
890-9629-6	SW-6 (3.5)	Total/NA	Solid	8021B	134571
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	8021B	134571
890-9629-8	SW-8 (4.5)	Total/NA	Solid	8021B	134571
890-9629-9	SW-9 (4.5)	Total/NA	Solid	8021B	134571
MB 880-134571/5-A	Method Blank	Total/NA	Solid	8021B	134571
MB 880-134576/5-A	Method Blank	Total/NA	Solid	8021B	134576
LCS 880-134571/1-A	Lab Control Sample	Total/NA	Solid	8021B	134571
LCSD 880-134571/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	134571
880-69301-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	134571
880-69301-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	134571

## Analysis Batch: 134781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	Total BTEX	
890-9629-2	SW-2 (1.5)	Total/NA	Solid	Total BTEX	
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	Total BTEX	
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	Total BTEX	
890-9629-5	SW-5 (3.5)	Total/NA	Solid	Total BTEX	
890-9629-6	SW-6 (3.5)	Total/NA	Solid	Total BTEX	
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	Total BTEX	
890-9629-8	SW-8 (4.5)	Total/NA	Solid	Total BTEX	
890-9629-9	SW-9 (4.5)	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

## GC Semi VOA

## Prep Batch: 134171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	8015NM Prep	
890-9629-2	SW-2 (1.5)	Total/NA	Solid	8015NM Prep	
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	8015NM Prep	
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	8015NM Prep	
890-9629-5	SW-5 (3.5)	Total/NA	Solid	8015NM Prep	
890-9629-6	SW-6 (3.5)	Total/NA	Solid	8015NM Prep	
MB 880-134171/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-134171/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-134171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9629-1 MS	SW-1 (1.5)	Total/NA	Solid	8015NM Prep	
890-9629-1 MSD	SW-1 (1.5)	Total/NA	Solid	8015NM Prep	

## Prep Batch: 134753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	8015NM Prep	
890-9629-8	SW-8 (4.5)	Total/NA	Solid	8015NM Prep	
890-9629-9	SW-9 (4.5)	Total/NA	Solid	8015NM Prep	
MB 880-134753/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-134753/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-134753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9630-A-9-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9630-A-9-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 134884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	8015B NM	134171
890-9629-2	SW-2 (1.5)	Total/NA	Solid	8015B NM	134171
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	8015B NM	134171
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	8015B NM	134171
890-9629-5	SW-5 (3.5)	Total/NA	Solid	8015B NM	134171
890-9629-6	SW-6 (3.5)	Total/NA	Solid	8015B NM	134171
MB 880-134171/1-A	Method Blank	Total/NA	Solid	8015B NM	134171
LCS 880-134171/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	134171
LCSD 880-134171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	134171
890-9629-1 MS	SW-1 (1.5)	Total/NA	Solid	8015B NM	134171
890-9629-1 MSD	SW-1 (1.5)	Total/NA	Solid	8015B NM	134171

## Analysis Batch: 134907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	8015B NM	134753
890-9629-8	SW-8 (4.5)	Total/NA	Solid	8015B NM	134753
890-9629-9	SW-9 (4.5)	Total/NA	Solid	8015B NM	134753
MB 880-134753/1-A	Method Blank	Total/NA	Solid	8015B NM	134753
LCS 880-134753/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	134753
LCSD 880-134753/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	134753
890-9630-A-9-H MS	Matrix Spike	Total/NA	Solid	8015B NM	134753
890-9630-A-9-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	134753

## Analysis Batch: 135014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 135014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-2	SW-2 (1.5)	Total/NA	Solid	8015 NM	
890-9629-3	SW-3 (1.5-3.5)	Total/NA	Solid	8015 NM	
890-9629-4	SW-4 (1.5-4.5)	Total/NA	Solid	8015 NM	
890-9629-5	SW-5 (3.5)	Total/NA	Solid	8015 NM	
890-9629-6	SW-6 (3.5)	Total/NA	Solid	8015 NM	
890-9629-7	SW-7 (3.5-4.5)	Total/NA	Solid	8015 NM	
890-9629-8	SW-8 (4.5)	Total/NA	Solid	8015 NM	
890-9629-9	SW-9 (4.5)	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 134651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Soluble	Solid	DI Leach	
890-9629-2	SW-2 (1.5)	Soluble	Solid	DI Leach	
890-9629-3	SW-3 (1.5-3.5)	Soluble	Solid	DI Leach	
890-9629-4	SW-4 (1.5-4.5)	Soluble	Solid	DI Leach	
890-9629-5	SW-5 (3.5)	Soluble	Solid	DI Leach	
890-9629-6	SW-6 (3.5)	Soluble	Solid	DI Leach	
890-9629-7	SW-7 (3.5-4.5)	Soluble	Solid	DI Leach	
890-9629-8	SW-8 (4.5)	Soluble	Solid	DI Leach	
890-9629-9	SW-9 (4.5)	Soluble	Solid	DI Leach	
MB 880-134651/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-134651/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-134651/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9629-1 MS	SW-1 (1.5)	Soluble	Solid	DI Leach	
890-9629-1 MSD	SW-1 (1.5)	Soluble	Solid	DI Leach	

## Analysis Batch: 134671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9629-1	SW-1 (1.5)	Soluble	Solid	300.0	134651
890-9629-2	SW-2 (1.5)	Soluble	Solid	300.0	134651
890-9629-3	SW-3 (1.5-3.5)	Soluble	Solid	300.0	134651
890-9629-4	SW-4 (1.5-4.5)	Soluble	Solid	300.0	134651
890-9629-5	SW-5 (3.5)	Soluble	Solid	300.0	134651
890-9629-6	SW-6 (3.5)	Soluble	Solid	300.0	134651
890-9629-7	SW-7 (3.5-4.5)	Soluble	Solid	300.0	134651
890-9629-8	SW-8 (4.5)	Soluble	Solid	300.0	134651
890-9629-9	SW-9 (4.5)	Soluble	Solid	300.0	134651
MB 880-134651/1-A	Method Blank	Soluble	Solid	300.0	134651
LCS 880-134651/2-A	Lab Control Sample	Soluble	Solid	300.0	134651
LCS 880-134651/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	134651
890-9629-1 MS	SW-1 (1.5)	Soluble	Solid	300.0	134651
890-9629-1 MSD	SW-1 (1.5)	Soluble	Solid	300.0	134651

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-1 (1.5)**

**Lab Sample ID: 890-9629-1**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 06:24	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 06:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/14/26 11:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 11:17	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 13:51	SMC	EET MID

**Client Sample ID: SW-2 (1.5)**

**Lab Sample ID: 890-9629-2**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 06:45	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 06:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/14/26 12:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 12:01	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:11	SMC	EET MID

**Client Sample ID: SW-3 (1.5-3.5)**

**Lab Sample ID: 890-9629-3**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 07:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 07:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/14/26 12:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 12:15	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:18	SMC	EET MID

**Client Sample ID: SW-4 (1.5-4.5)**

**Lab Sample ID: 890-9629-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 07:26	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 07:26	SA	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-4 (1.5-4.5)**

**Lab Sample ID: 890-9629-4**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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			135014	03/14/26 12:30	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 12:30	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:25	SMC	EET MID

**Client Sample ID: SW-5 (3.5)**

**Lab Sample ID: 890-9629-5**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 08:49	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 08:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/14/26 12:44	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 12:44	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:31	SMC	EET MID

**Client Sample ID: SW-6 (3.5)**

**Lab Sample ID: 890-9629-6**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 09:09	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 09:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/14/26 12:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134171	03/12/26 20:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134884	03/14/26 12:58	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:51	SMC	EET MID

**Client Sample ID: SW-7 (3.5-4.5)**

**Lab Sample ID: 890-9629-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 09:30	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 09:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/15/26 21:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 21:46	FC	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
 SDG: Lea County New Mexico

**Client Sample ID: SW-7 (3.5-4.5)**

**Lab Sample ID: 890-9629-7**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 14:58	SMC	EET MID

**Client Sample ID: SW-8 (4.5)**

**Lab Sample ID: 890-9629-8**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 09:51	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 09:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/15/26 22:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 22:01	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:05	SMC	EET MID

**Client Sample ID: SW-9 (4.5)**

**Lab Sample ID: 890-9629-9**

Date Collected: 03/11/26 00:00

Matrix: Solid

Date Received: 03/11/26 15:11

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	134571	03/11/26 10:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	134712	03/13/26 10:11	SA	EET MID
Total/NA	Analysis	Total BTEX		1			134781	03/13/26 10:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			135014	03/15/26 22:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	134753	03/13/26 08:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134907	03/15/26 22:15	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	134651	03/12/26 08:18	SA	EET MID
Soluble	Analysis	300.0		1			134671	03/12/26 15:12	SMC	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 890-9629-1  
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9629-1	SW-1 (1.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-2	SW-2 (1.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-3	SW-3 (1.5-3.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-4	SW-4 (1.5-4.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-5	SW-5 (3.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-6	SW-6 (3.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-7	SW-7 (3.5-4.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-8	SW-8 (4.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas
890-9629-9	SW-9 (4.5)	Solid	03/11/26 00:00	03/11/26 15:11	Texas

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890-9629 Chain of Custody

# Chain of Custody

Page 1 of 1

**Work Order Comments**

Program:  UST/PST  PRP  Brownfields  IRC  perfund   
 State of Project:  Level II  Level III  ST/UST  RRP  Level IV   
 Reporting Level:  EDD  ADaPT  Other: \_\_\_\_\_

Project Manager: Ashton Thielke  
 Company Name: Carmona Resources  
 Address: 310 W Wall St Ste 500  
 City, State ZIP: Midland, TX 79701  
 Phone: 432-813-8988

Bill to: (if different)  
 Company Name: Cimarex Energy  
 Address: 600 N Marientfield St, Suite 600  
 City, State ZIP: Midland, TX 79701  
 Email: laci.luig@coterra.com & ashton.thielke@coterra.com

SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:		
Received Intact:	Yes	No	Yes	No	Yes	No	10007	-0.2	1.1	1.4				
Cooler Custody Seals:	Yes	No	N/A	N/A	1.1	1.4								
Sample Custody Seals:	Yes	No	N/A	N/A										
Total Containers:														
Project Name:	Legacy Fed Unit 34H Flowline		Turn Around		Pres. Code		ANALYSIS REQUEST						Preservative Codes	
Project Number:	3016		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush										None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea County, New Mexico		Due Date: 72 Hours										Cool: Cool MeOH: Me	
Sampler's Name:	KR												HCL: HC HNO <sub>3</sub> : HN	
PO #:													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
													H <sub>3</sub> PO <sub>4</sub> : HP	
													NaHSO <sub>4</sub> : NABIS	
													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
													Zn Acetate+NaOH: Zn	
													NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters						Sample Comments	
SW-1 (1.5')	3/11/2026		X		C	1	BTEX 8021B							
SW-2 (1.5')	3/11/2026		X		C	1	TPH 8015M (GRO + DRO + MRO)							
SW-3 (1.5'-3.5')	3/11/2026		X		C	1	Chloride 300.0							
SW-4 (1.5'-4.5')	3/11/2026		X		C	1								
SW-5 (3.5')	3/11/2026		X		C	1								
SW-6 (3.5')	3/11/2026		X		C	1								
SW-7 (3.5'-4.5')	3/11/2026		X		C	1								
SW-8 (4.5')	3/11/2026		X		C	1								
SW-9 (4.5')	3/11/2026		X		C	1								

**Comments:**

Relinquished by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_

Received by: (Signature) *[Signature]* Date/Time *3/11 15:11*



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9629-1  
SDG Number: Lea County New Mexico

**Login Number: 9629**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9629-1  
SDG Number: Lea County New Mexico

**Login Number: 9629**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 03/12/26 07:27 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/17/2026 8:27:50 PM

## JOB DESCRIPTION

Legacy Fed Unit 34H Flowline  
 Lea County New Mexico

## JOB NUMBER

890-9646-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



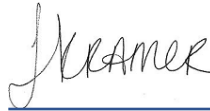
# Eurofins Carlsbad

## Job Notes

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

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

## Authorization



Generated  
3/17/2026 8:27:50 PM

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

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Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Laboratory Job ID: 890-9646-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

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

# Case Narrative

Client: Carmona Resources  
Project: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1

**Job ID: 890-9646-1**

**Eurofins Carlsbad**

## Job Narrative 890-9646-1

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

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

### Receipt

The sample was received on 3/13/2026 2:35 PM. 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 5.4°C.

### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: backfill samples (890-9646-1).

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-134957 and analytical batch 880-135070 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

### Diesel Range Organics

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

### HPLC/IC

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

Eurofins Carlsbad



### Client Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

**Client Sample ID: backfill samples**

**Lab Sample ID: 890-9646-1**

Date Collected: 03/12/26 00:00

Matrix: Solid

Date Received: 03/13/26 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/16/26 10:51	03/17/26 14:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/16/26 10:51	03/17/26 14:49	1
<b>Ethylbenzene</b>	<b>0.00208</b>		0.00201		mg/Kg		03/16/26 10:51	03/17/26 14:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/16/26 10:51	03/17/26 14:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/16/26 10:51	03/17/26 14:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/16/26 10:51	03/17/26 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	03/16/26 10:51	03/17/26 14:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/16/26 10:51	03/17/26 14:49	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/17/26 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/16/26 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/13/26 17:19	03/16/26 22:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/13/26 17:19	03/16/26 22:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/13/26 17:19	03/16/26 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130	03/13/26 17:19	03/16/26 22:01	1
o-Terphenyl (Surr)	122		70 - 130	03/13/26 17:19	03/16/26 22:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6		9.92		mg/Kg			03/16/26 19:03	1

### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea 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)
890-9641-A-41-C MS	Matrix Spike	105	101
890-9641-A-41-D MSD	Matrix Spike Duplicate	102	101
890-9646-1	backfill samples	84	104
LCS 880-134957/1-A	Lab Control Sample	97	102
LCSD 880-134957/2-A	Lab Control Sample Dup	87	101
MB 880-134957/5-A	Method Blank	98	100

**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)
890-9640-A-11-B MS	Matrix Spike	113	114
890-9640-A-11-C MSD	Matrix Spike Duplicate	114	114
890-9646-1	backfill samples	124	122
LCS 880-134870/2-A	Lab Control Sample	90	92
LCSD 880-134870/3-A	Lab Control Sample Dup	95	96
MB 880-134870/1-A	Method Blank	112	108

**Surrogate Legend**  
 1CO = 1-Chlorooctane (Surr)  
 OTPH = o-Terphenyl (Surr)

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-134957/5-A  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/26 10:51	03/17/26 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/26 10:51	03/17/26 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/26 10:51	03/17/26 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/26 10:51	03/17/26 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/26 10:51	03/17/26 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/26 10:51	03/17/26 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/16/26 10:51	03/17/26 12:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/16/26 10:51	03/17/26 12:03	1

Lab Sample ID: LCS 880-134957/1-A  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08179		mg/Kg		82	70 - 130
Toluene	0.100	0.08146		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.07119		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09301		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-134957/2-A  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08011		mg/Kg		80	70 - 130	2	35
Toluene	0.100	0.08349		mg/Kg		83	70 - 130	2	35
Ethylbenzene	0.100	0.08537		mg/Kg		85	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.1494		mg/Kg		75	70 - 130	20	35
o-Xylene	0.100	0.07445		mg/Kg		74	70 - 130	22	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9641-A-41-C MS  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.02297	F1	mg/Kg		23	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02072	F1	mg/Kg		21	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-9641-A-41-C MS  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03424	F1	mg/Kg		34	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.05719	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.03868	F1	mg/Kg		39	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9641-A-41-D MSD  
 Matrix: Solid  
 Analysis Batch: 135070

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 134957

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F2 F1	0.100	0.07206	F2	mg/Kg		72	70 - 130	103	35
Toluene	<0.00200	U F2 F1	0.100	0.05676	F2 F1	mg/Kg		57	70 - 130	93	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08612	F2	mg/Kg		86	70 - 130	86	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1471	F2	mg/Kg		74	70 - 130	88	35
o-Xylene	<0.00200	U F2 F1	0.100	0.08416	F2	mg/Kg		84	70 - 130	74	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-134870/1-A  
 Matrix: Solid  
 Analysis Batch: 134950

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 134870

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/13/26 17:19	03/16/26 18:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/13/26 17:19	03/16/26 18:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/13/26 17:19	03/16/26 18:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	112		70 - 130	03/13/26 17:19	03/16/26 18:02	1
o-Terphenyl (Surr)	108		70 - 130	03/13/26 17:19	03/16/26 18:02	1

Lab Sample ID: LCS 880-134870/2-A  
 Matrix: Solid  
 Analysis Batch: 134950

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 134870

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	1010		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	937.6		mg/Kg		94	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: LCS 880-134870/2-A**  
**Matrix: Solid**  
**Analysis Batch: 134950**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 134870**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	92		70 - 130

**Lab Sample ID: LCSD 880-134870/3-A**  
**Matrix: Solid**  
**Analysis Batch: 134950**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 134870**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg		103	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	988.3		mg/Kg		99	70 - 130	5	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	96		70 - 130

**Lab Sample ID: 890-9640-A-11-B MS**  
**Matrix: Solid**  
**Analysis Batch: 134950**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 134870**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1176		mg/Kg		116	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1146		mg/Kg		113	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	114		70 - 130

**Lab Sample ID: 890-9640-A-11-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 134950**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 134870**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1191		mg/Kg		117	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1173		mg/Kg		116	70 - 130	2	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	114		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-134925/1-A  
 Matrix: Solid  
 Analysis Batch: 134965

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/16/26 15:10	1

Lab Sample ID: LCS 880-134925/2-A  
 Matrix: Solid  
 Analysis Batch: 134965

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-134925/3-A  
 Matrix: Solid  
 Analysis Batch: 134965

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	244.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-69589-A-11-C MS  
 Matrix: Solid  
 Analysis Batch: 134965

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	23.5		250	285.5		mg/Kg		105	90 - 110

Lab Sample ID: 880-69589-A-11-D MSD  
 Matrix: Solid  
 Analysis Batch: 134965

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	23.5		250	285.7		mg/Kg		105	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
SDG: Lea County New Mexico

## GC VOA

## Prep Batch: 134957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	5035	
MB 880-134957/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-134957/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-134957/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9641-A-41-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9641-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 135070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	8021B	134957
MB 880-134957/5-A	Method Blank	Total/NA	Solid	8021B	134957
LCS 880-134957/1-A	Lab Control Sample	Total/NA	Solid	8021B	134957
LCSD 880-134957/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	134957
890-9641-A-41-C MS	Matrix Spike	Total/NA	Solid	8021B	134957
890-9641-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	134957

## Analysis Batch: 135205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 134870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	8015NM Prep	
MB 880-134870/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-134870/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-134870/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9640-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9640-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 134950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	8015B NM	134870
MB 880-134870/1-A	Method Blank	Total/NA	Solid	8015B NM	134870
LCS 880-134870/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	134870
LCSD 880-134870/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	134870
890-9640-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	134870
890-9640-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	134870

## Analysis Batch: 135089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 134925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Soluble	Solid	DI Leach	
MB 880-134925/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-134925/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-134925/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

#### HPLC/IC (Continued)

##### Leach Batch: 134925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69589-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-69589-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

##### Analysis Batch: 134965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9646-1	backfill samples	Soluble	Solid	300.0	134925
MB 880-134925/1-A	Method Blank	Soluble	Solid	300.0	134925
LCS 880-134925/2-A	Lab Control Sample	Soluble	Solid	300.0	134925
LCSD 880-134925/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	134925
880-69589-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	134925
880-69589-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	134925

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

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
 SDG: Lea County New Mexico

**Client Sample ID: backfill samples**

**Lab Sample ID: 890-9646-1**

Date Collected: 03/12/26 00:00

Matrix: Solid

Date Received: 03/13/26 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	134957	03/16/26 10:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135070	03/17/26 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			135205	03/17/26 14:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			135089	03/16/26 22:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	134870	03/13/26 17:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	134950	03/16/26 22:01	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	134925	03/16/26 08:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	134965	03/16/26 19:03	CS	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

### Method Summary

Client: Carmona Resources  
Project/Site: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
SDG: Lea 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: Legacy Fed Unit 34H Flowline

Job ID: 890-9646-1  
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-9646-1	backfill samples	Solid	03/12/26 00:00	03/13/26 14:35	Texas

- 1
- 2
- 3
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- 5
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- 10
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- 12
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- 14



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9646-1  
SDG Number: Lea County New Mexico

**Login Number: 9646**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-9646-1  
SDG Number: Lea County New Mexico

**Login Number: 9646**  
**List Number: 2**  
**Creator: Dyal, Erica**

**List Source: Eurofins Midland**  
**List Creation: 03/16/26 08:43 AM**

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

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

QUESTIONS

Action 582584

**QUESTIONS**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nOY1722340557
Incident Name	NOY1722340557 LEGACY FED UNIT 34H FLOWLINE @ FOY1722340420
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Facility	[fOY1722340420] Legacy Fed Unit 34H flowline

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	LEGACY FED UNIT 34H FLOWLINE
Date Release Discovered	07/31/2017
Surface Owner	Private

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Crude Oil   Released: 8 BBL   Recovered: 0 BBL   Lost: 8 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 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

*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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 05/06/2026
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QUESTIONS, Page 3

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	728
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1510
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

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

On what estimated date will the remediation commence	03/10/2026
On what date will (or did) the final sampling or liner inspection occur	03/11/2026
On what date will (or was) the remediation complete(d)	04/08/2026
What is the estimated surface area (in square feet) that will be reclaimed	4840
What is the estimated volume (in cubic yards) that will be reclaimed	565
What is the estimated surface area (in square feet) that will be remediated	2231
What is the estimated volume (in cubic yards) that will be remediated	565

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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.

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: <a href="mailto:Ashton.Thielke@coterra.com">Ashton.Thielke@coterra.com</a> Date: 05/06/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>560570</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>03/16/2026</b>
What was the (estimated) number of samples that were to be gathered	<b>30</b>
What was the sampling surface area in square feet	<b>5100</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2231
What was the total volume (cubic yards) remediated	565
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	4840
What was the total volume (in cubic yards) reclaimed	565
Summarize any additional remediation activities not included by answers (above)	The entire area was remediated per NMAC 19.15.29.13 standards. Once remediation was completed, the remediation area along with the right-of-way where equipment traveled to and from the site was reseeded.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 05/06/2026
--	--

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QUESTIONS, Page 7

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	4840
What was the total volume of replacement material (in cubic yards) for this site	565
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/30/2026
Summarize any additional reclamation activities not included by answers (above)	The entire area was remediated per NMAC 19.15.29.13 standards. Once remediation was completed, the remediation area along with the right-of-way where equipment traveled to and from the site was reseeded.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 05/06/2026

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QUESTIONS, Page 8

Action 582584

**QUESTIONS (continued)**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 582584

**CONDITIONS**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 582584
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	5/14/2026