

CARMONA RESOURCES



## SITE INFORMATION

---

**Closure Report**  
**Beowulf Riser**  
**Lea County, New Mexico**  
**Incident ID: NAPP2313133324**  
**Unit M Sec 33 T23S R35E**  
**32.254211°, -103.377026°**

**Produced Water Release**  
**Point of Release: Riser Gasket Failure**  
**Release Date: 04/26/2023**  
**Volume Released: 80 Barrels of Produced Water**  
**Volume Recovered: 30 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**EOG Resources, Inc**  
**5509 Champions Dr.**  
**Midland, TX 79706**

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

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 RECLAMATION ACTIVITIES

7.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURES 4-4e	EXCAVATION
FIGURE 5	RECLAMATION		

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	N.O.R. AND FINAL C-141/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS
APPENDIX F	RECLAMATION CRITERIA



May 9, 2024

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

**Re: Closure Report  
Beowulf Riser  
EOG Resources, Inc  
Incident # NAPP2313133324  
Site Location: Unit M, S33, T23S, R35E  
(Lat 32.254211°, Long -103.377026°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources, Inc (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Beowulf Riser. The site is located at 32.254211°, -103.377026° within Unit M, S33, T23S, R35E, in Lea County, New Mexico. Refer to Figure 1 and Figure 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 from a gasket failure on the riser on April 26, 2023. It released eighty (80) barrels of produced water and occurred on the pad and pastureland. There were thirty (30) barrels recovered. Refer to Figure 3. The Notice of Release 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, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.30 miles Northwest of the site in S32, T23S, R35E, and was drilled in 1986. The well has a reported depth to groundwater of 329.15' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

On June 8, 2023, Carmona Resources, LLC was onsite to drill a groundwater determination bore to 80' below ground surface within a 0.50-mile radius of the location. The groundwater determination bore is approximately 0.01 miles south of the site at 32.254020°, -103.376187° in S33, T23S, and R35E. The bore was left open for 72 hours and tagged with a water level meter. The bore has shown no signs of water at 80' below the ground surface (bgs). A copy of the groundwater determination bore log 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 the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

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



- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

#### **4.0 Site Assessment Activities**

##### **Soil Assessment**

On May 11, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Sixteen (16) soil samples (S-1 through S-16) and fifteen (15) horizontal samples (H-1 through H-15) were advanced to depths ranging from the surface to 4' bgs inside the release area to assess the vertical extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

##### **Vertical Delineation**

Vertical delineation was achieved for the areas of S-1 through S-6, S-8, S-9, S-13, and S-16. The areas of S-7, S-10, S-11, S-12, S-14, and S-15 were not delineated vertically due to the dense, cemented geological formation at 4' bgs. Refer to Table 1.

##### **Horizontal Delineation**

All areas were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations, except for H-12. Refer to Table 1.

#### **5.0 Remediation Activities**

Before beginning remediation activities, Carmona Resources submitted a remediation work plan on August 17, 2023. On November 20, 2023, the NMOCD approved the remediation plan, which requested increasing the confirmation sampling frequency from one (1) five-point composite confirmation sample every 200 square feet to every 500 square feet. On February 20, 2024, the NMOCD granted a 90-day extension, which extended the remediation deadline to May 20, 2024. See NMOCD correspondence in Appendix C.

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD Portal from the days spanning from April 3, 2024, to April 17, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of sixty-three (63) floor confirmation samples were collected (CS-1 through CS-63), and sixty-five (65) sidewall samples (SW-1 through SW-65) were collected every 500 square feet to ensure the proper removal of the contaminated soils. The area of H-12 was extended and resampled to ensure horizontal bounding of contamination. All collected samples were analyzed for TPH analysis by EPA





method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4a through 4e.

All final confirmation samples met the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

### **6.0 Reclamation Activities**

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. On April 29, 2024, the backfilled areas in the pasture were seeded via hand broadcasting with the appropriate pounds of pure live seed per acre. The topsoil was raked onto the seed to aid the vegetation process. The seed mixture used was BLM Seed Mixture #2. See Appendix F for the soil survey and map and Figure 5 for the reclamation area.

Approximately 3,760 cubic yards of material were excavated and transported offsite for proper disposal.

### **7.0 Conclusions**

Based on the assessment results and the final analytical data, no further actions are required at the site. EOG formally requests the closure of these incidents. If you have any questions about this report or need additional information, don't hesitate to get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

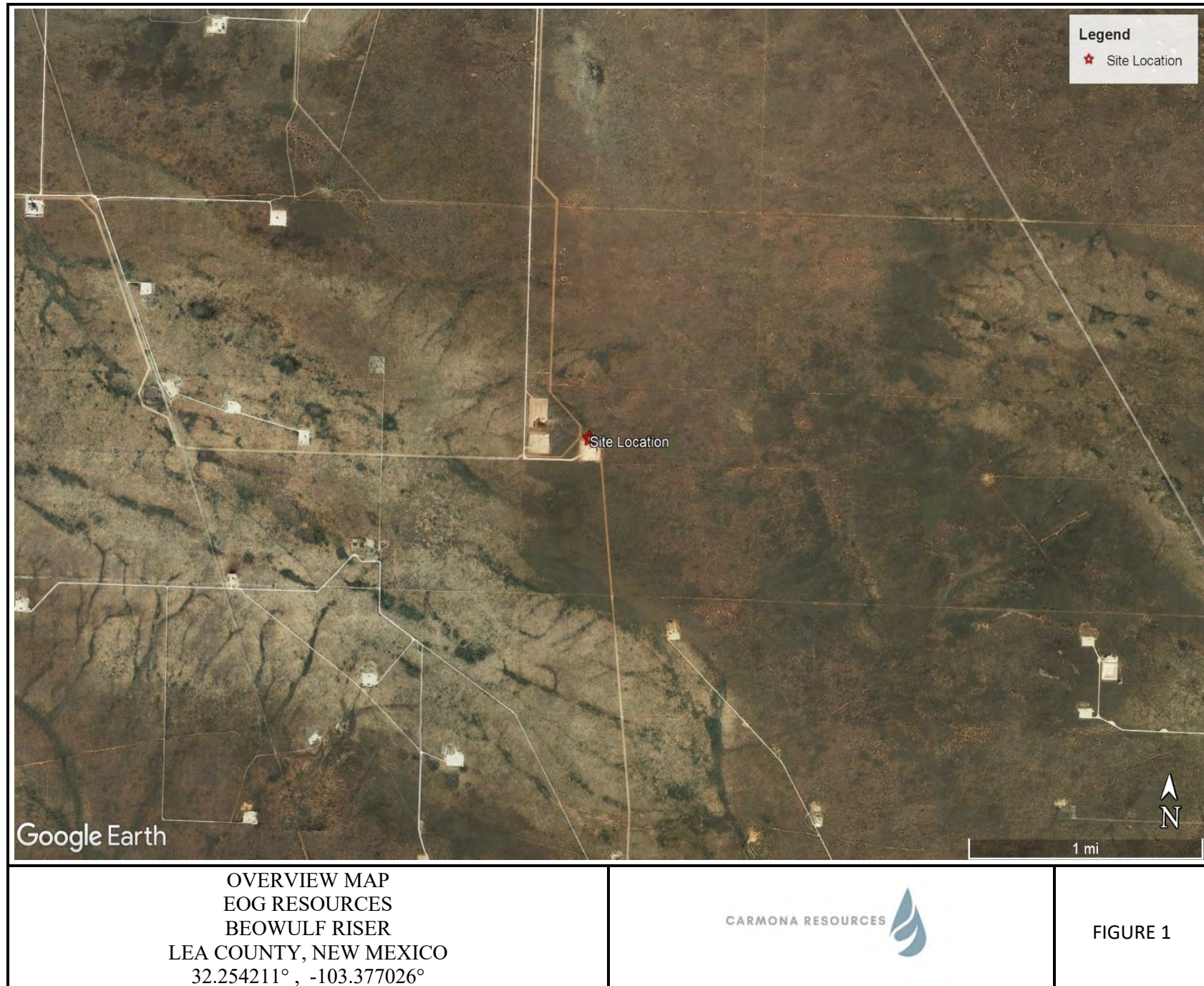
Mike Carmona  
Environmental Manager

Devin Dominguez  
Sr. Project Manager

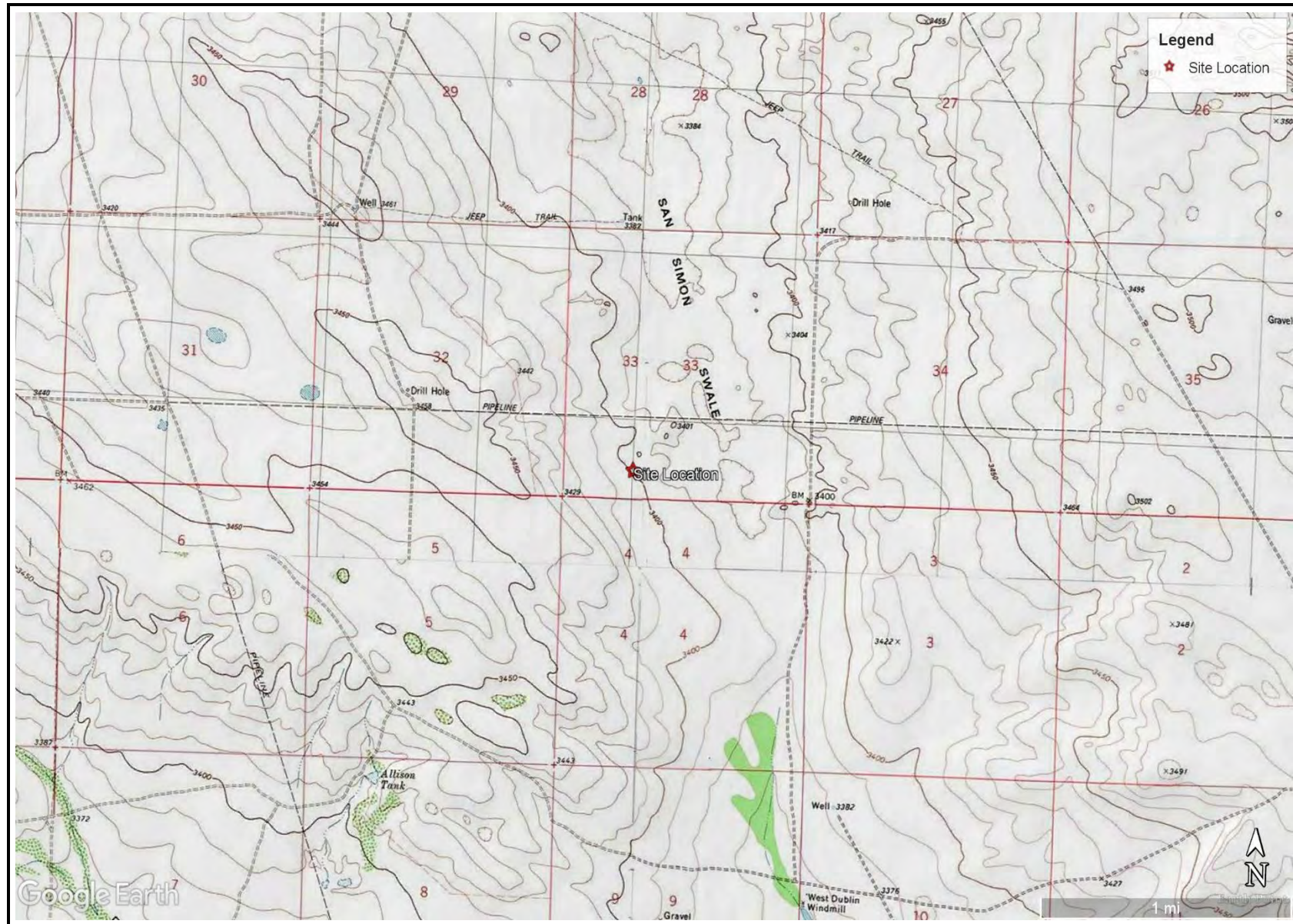
## FIGURES

CARMONA RESOURCES







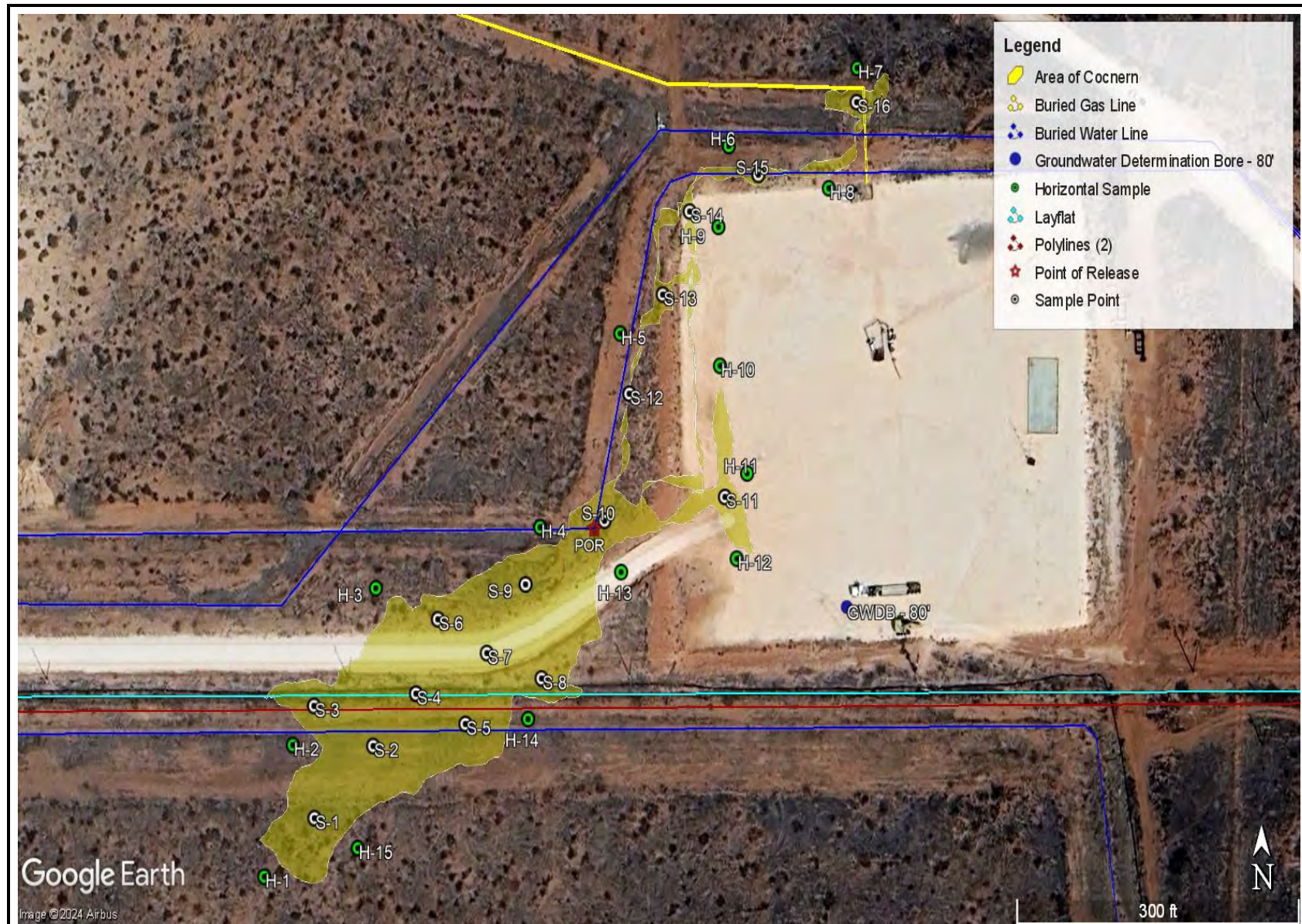


TOPOGRAPHIC MAP  
EOG RESOURCES  
BEOWULF RISER  
LEA COUNTY, NEW MEXICO  
32.254211°, -103.377026°



FIGURE 2



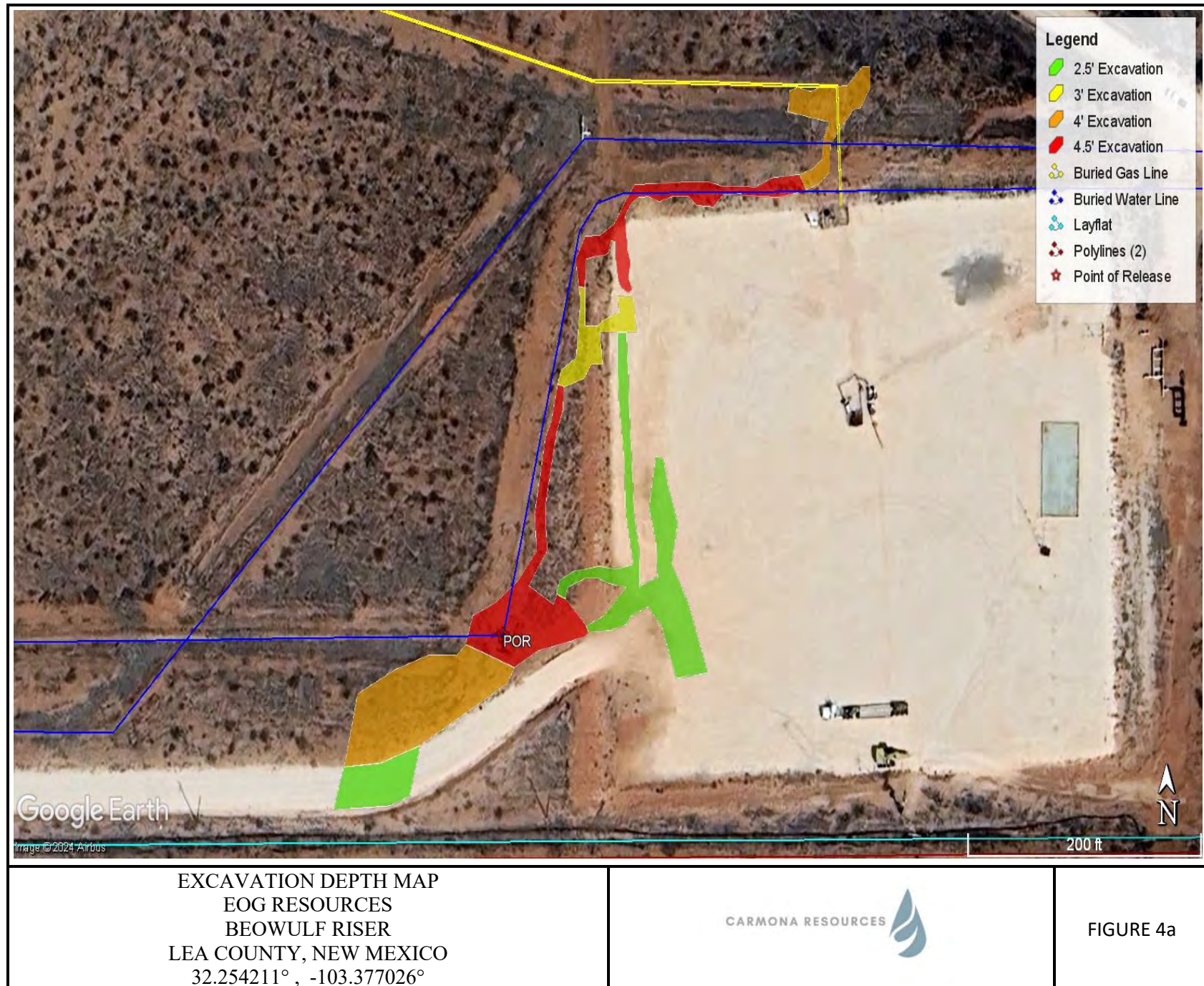


SAMPLE LOCATION OVERVIEW MAP  
EOG RESOURCES  
BEOWULF RISER  
LEA COUNTY, NEW MEXICO  
32.254211° , -103.377026°

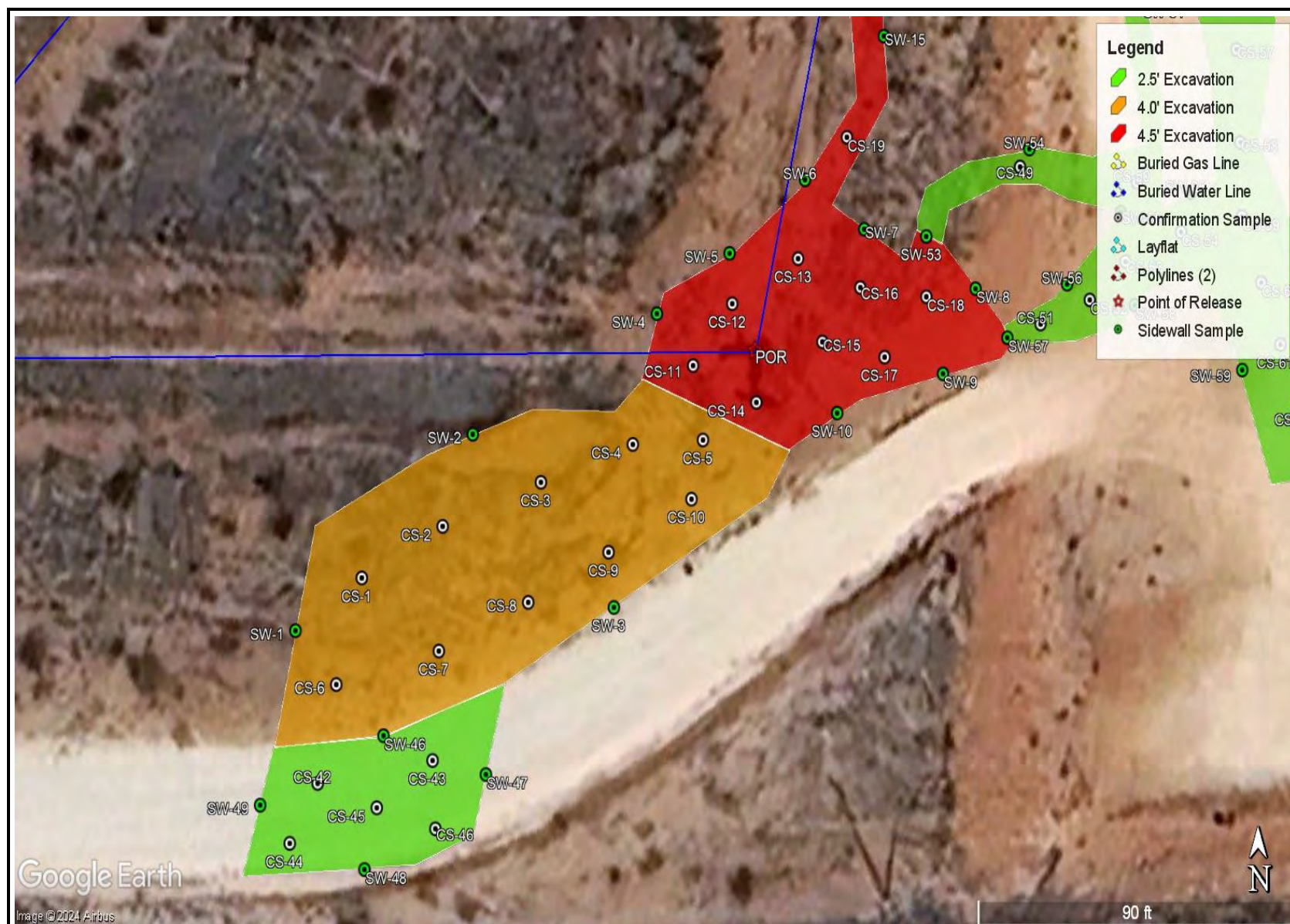


FIGURE 3







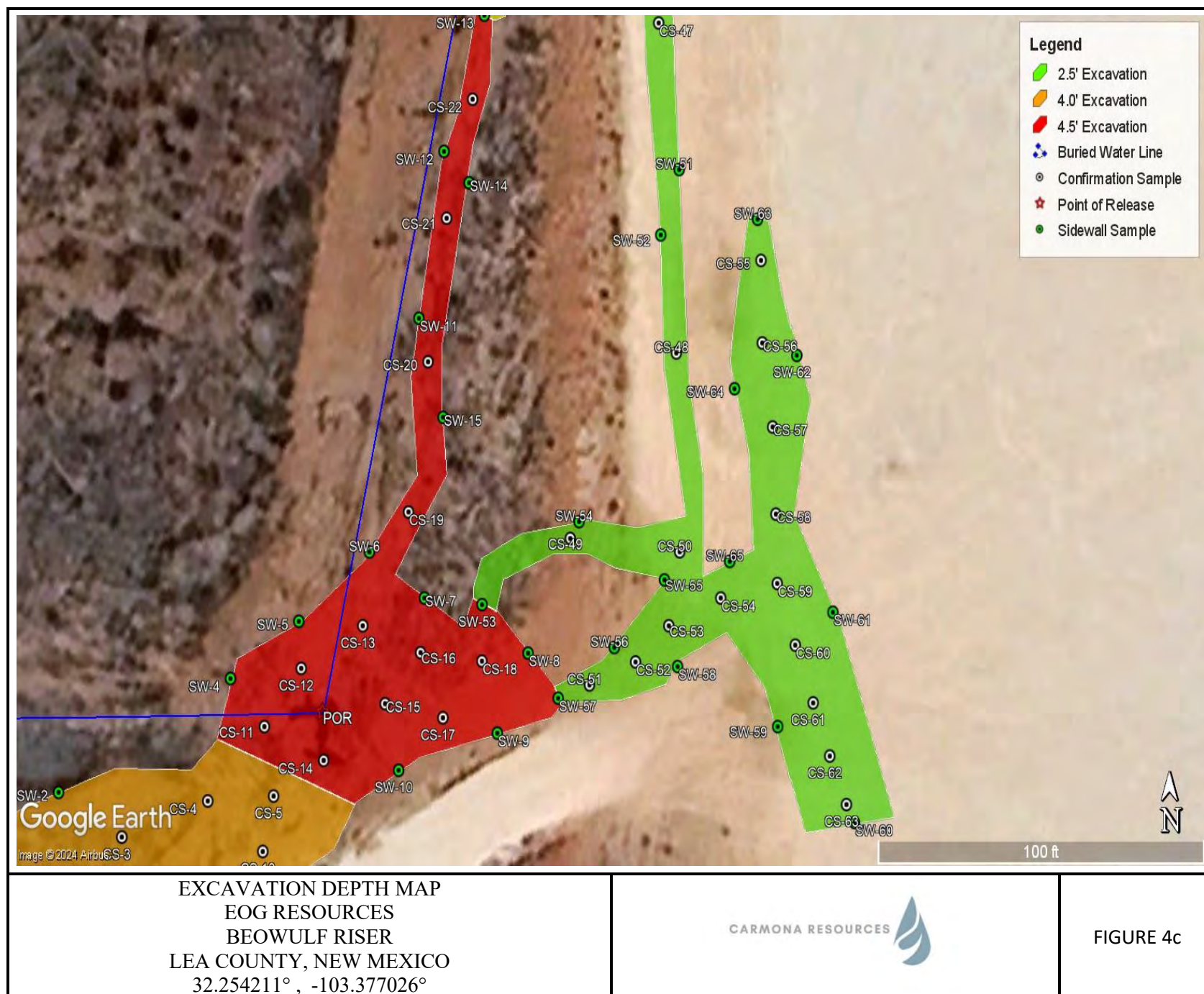


EXCAVATION DEPTH MAP  
EOG RESOURCES  
BEOWULF RISER  
LEA COUNTY, NEW MEXICO  
32.254211° , -103.377026°

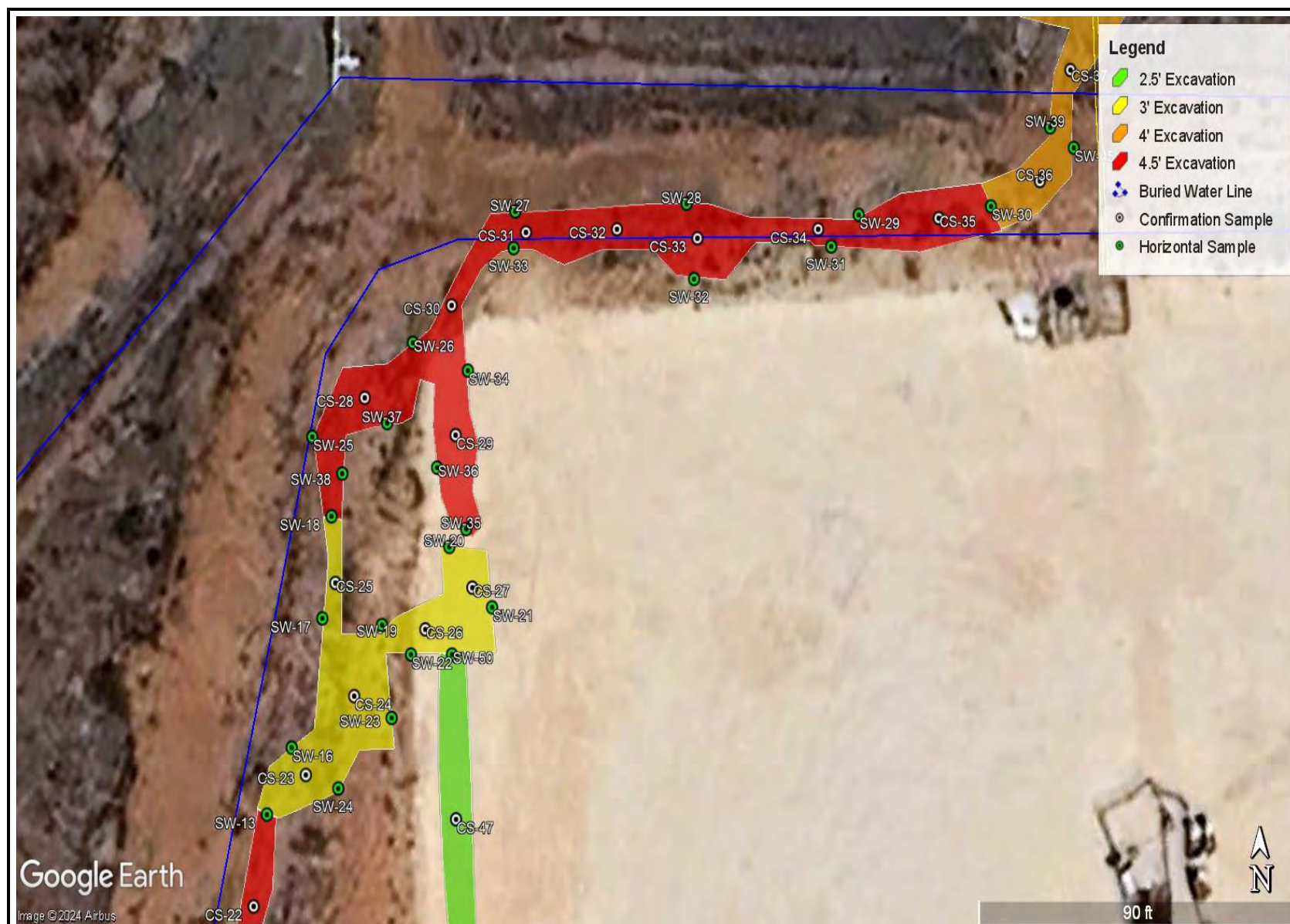


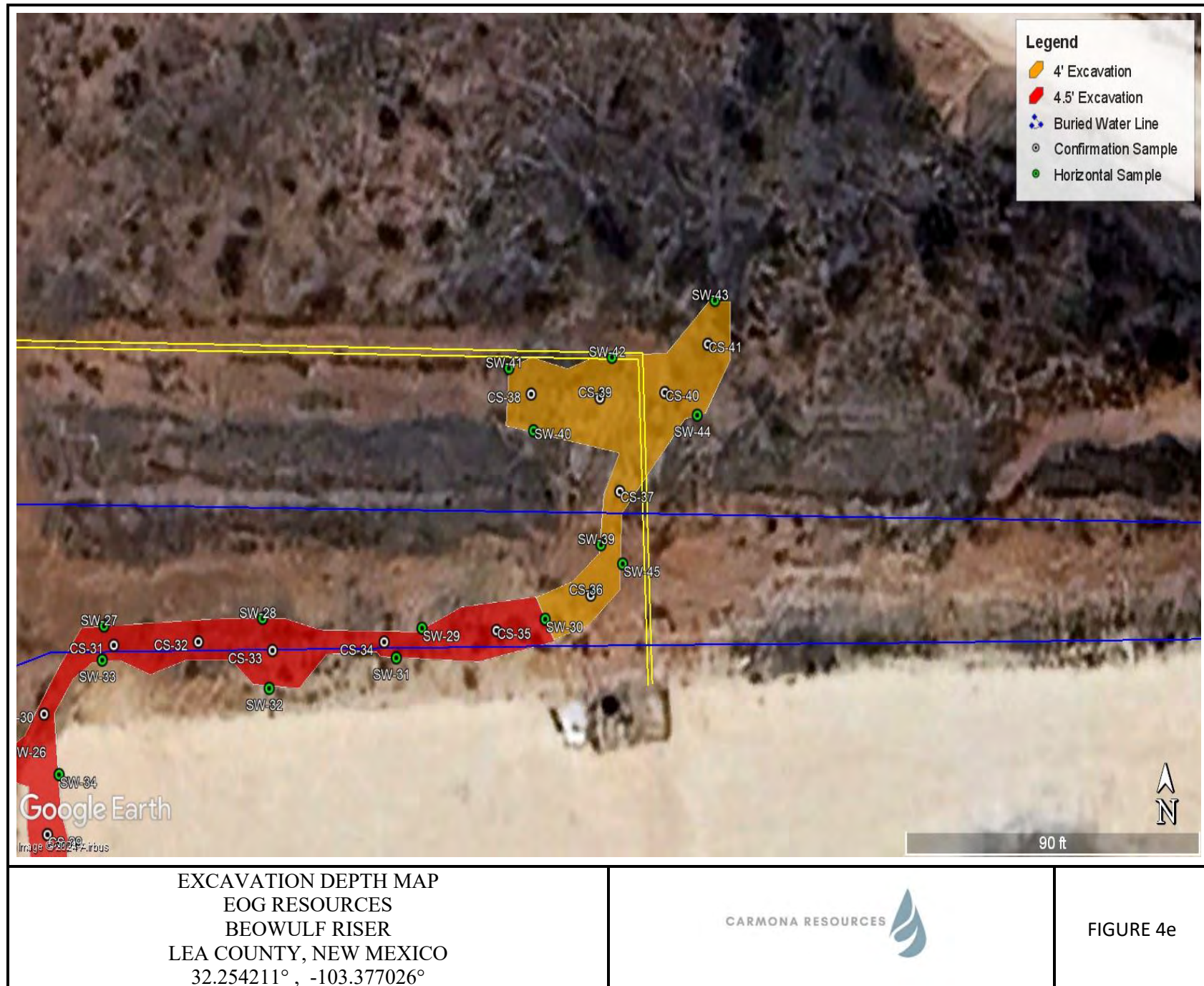
FIGURE 4b















## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	73.1
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	50.9
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.8
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	45.9
<b>S-2</b>	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	65.4
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	69.8
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	75.9
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.2
<b>S-3</b>	5/11/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.9
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.2
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.5
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	50.7
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	64.7
<b>S-4</b>	5/11/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00268	<0.00199	<0.00398	<0.00398	62.8
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.2
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	46.0
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	51.7
	"	3.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.6
<b>S-5</b>	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	44.8
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.1
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.6
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	75.0
<b>S-6</b>	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.7
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.1
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.5
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.9
<b>S-7</b>	5/11/2023	0-1	<49.8	<b>3,150</b>	<b>361</b>	<b>3,510</b>	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<b>1,260</b>
	"	1.5	<50.0	<b>336</b>	<50.0	<b>336</b>	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	426
<b>S-8</b>	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.5
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.7
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.1
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.2
<b>Regulatory Criteria<sup>A</sup></b>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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

 Removed

**Table 1**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-9</b>	5/11/2023	0-1	<b>334</b>	<b>8,840</b>	<b>1,060</b>	<b>10,200</b>	<0.101	<0.101	1.78	9.03	10.8	<b>2,550</b>
	"	1.5	<b>208</b>	<b>3,620</b>	<b>365</b>	<b>4,190</b>	<0.0996	0.129	1.75	10.4	12.3	274
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
	"	3	<50.0	<b>670</b>	95.7	<b>766</b>	<0.0399	0.0565	0.125	0.835	1.02	316
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	0.00205	0.0132	0.0153	137
<b>S-10</b>	5/11/2023	0-1	<b>2,790</b>	<b>17,400</b>	<b>2,120</b>	<b>22,300</b>	<b>33.2</b>	<b>225</b>	<b>154</b>	<b>530</b>	<b>942</b>	<b>21,500</b>
	"	1.5	<b>634</b>	<b>1,730</b>	<b>167</b>	<b>2,530</b>	0.560	26.4	19.3	52.0	<b>98.3</b>	<b>4,750</b>
	"	2	<b>109</b>	<b>425</b>	<50.0	<b>534</b>	<0.0501	0.696	1.01	3.36	5.06	<b>5,290</b>
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00201	0.0243	0.0158	0.0653	0.105	<b>3,080</b>
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00824	0.00538	0.0220	0.0357	<b>2,340</b>
<b>S-11</b>	5/11/2023	0-1	<b>1,480</b>	<b>26,100</b>	<b>3,380</b>	<b>31,000</b>	0.00239	0.0443	0.0576	0.266	0.370	<b>3,690</b>
	"	1.5	<49.8	<b>570</b>	68.8	<b>639</b>	<0.00200	0.00572	0.00358	0.129	0.138	344
<b>S-12</b>	5/11/2023	0-1	<b>2,840</b>	<b>9,260</b>	<b>1,050</b>	<b>13,200</b>	2.32	89.2	53.4	155	<b>300</b>	<b>3,980</b>
	"	1.5	<b>1,660</b>	<b>4,210</b>	<b>461</b>	<b>6,330</b>	2.48	88.5	52.8	133	<b>276</b>	<b>5,580</b>
	"	2	<b>140</b>	<b>1,620</b>	<b>256</b>	<b>2,020</b>	0.167	3.42	3.38	10.8	17.8	<b>6,180</b>
	"	3	<50.0	<b>688</b>	92.7	<b>781</b>	<0.0994	0.886	0.813	2.88	4.58	<b>6,460</b>
	"	4	<50.0	<b>375</b>	<50.0	<b>375</b>	<0.0998	0.309	0.216	0.700	1.23	<b>6,810</b>
<b>S-13</b>	5/11/2023	0-1	<b>1,190</b>	<b>4,910</b>	<b>537</b>	<b>6,640</b>	0.118	20.4	24.3	88.8	<b>134</b>	<b>1,950</b>
	"	1.5	<50.0	<b>211</b>	<50.0	<b>211</b>	<0.00200	0.00396	0.00500	0.0175	0.0264	249
	"	2	<50.0	<b>153</b>	<50.0	<b>153</b>	<0.00199	0.00645	0.00730	0.0268	0.0406	175
	"	3	<50.0	90.6	<50.0	90.6	<0.00199	0.00239	0.00255	0.0142	0.0192	150
	"	4	<49.8	59.4	<49.8	59.4	<0.00200	0.00314	0.00227	0.00706	0.0125	128
<b>S-14</b>	5/11/2023	0-1	<50.0	53.5	<50.0	53.5	<0.00201	0.00336	<0.00201	<0.00402	0.00604	<b>6,170</b>
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00268	<0.00202	<0.00403	<0.00403	<b>4,770</b>
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>3,500</b>
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<b>2,660</b>
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<b>1,090</b>
<b>S-15</b>	5/11/2023	0-1	<49.9	<b>19,000</b>	<b>2,370</b>	<b>21,400</b>	<0.0990	0.520	2.43	10.6	13.6	<b>3,860</b>
	"	1.5	<49.9	64.4	<49.9	64.4	<0.00198	0.00636	0.00858	0.0305	0.0454	<b>7,040</b>
	"	2	<49.9	74.7	<49.9	74.7	<0.00201	0.00406	0.00308	0.0123	0.0195	<b>6,200</b>
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	0.00856	0.00900	0.0203	0.0379	<b>5,440</b>
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00549	0.00309	0.00896	0.0175	<b>5,770</b>
<b>S-16</b>	5/11/2023	0-1	<b>986</b>	<b>15,000</b>	<500	<b>16,000</b>	<0.199	7.16	10.8	35.5	<b>53.5</b>	<b>9,640</b>
	"	1.5	<b>3,130</b>	<b>5,810</b>	<250	<b>8,940</b>	0.513	<b>64.1</b>	<b>59.3</b>	<b>217</b>	<b>341</b>	565
	"	2	<b>2,370</b>	<b>3,880</b>	<250	<b>6,250</b>	0.420	41.9	42.9	<b>152</b>	<b>237</b>	117
	"	3	59.8	<b>230</b>	<49.8	<b>290</b>	0.0574	0.557	0.407	1.17	2.19	170
	"	4	<49.8	65.2	<49.8	65.2	<0.00200	0.00308	0.00309	0.0105	0.0166	95.2
<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

Removed

**Table 1**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/11/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	56.9
H-2	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.4
H-3	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	91.5
H-4	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	450
H-5	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00479	0.00388	0.0211	0.0298	53.5
H-6	5/11/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00399	<0.00199	<0.00398	0.00399	41.4
H-7	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.3
H-8	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	374
H-9	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	419
H-10	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	329
H-11	5/11/2023	0-0.5	<49.8	99.9	<49.8	99.9	<0.00199	0.0142	0.00796	0.0275	0.0497	461
H-12	5/11/2023	0-0.5	<49.9	247	<49.9	247	0.0102	0.270	0.0969	0.284	0.661	249
	4/23/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-13	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	0.0175	0.00730	0.0235	0.0483	36.5
H-14	5/11/2023	0-0.5	<50.0	97.1	<50.0	97.1	<0.00199	0.00605	<0.00199	0.00681	0.0129	51.2
H-15	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.9
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 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

Removed

**Table 2**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-9	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	4/8/2024	4.0	<10.0	17.5	<10.0	17.5	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-13	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,800
CS-14	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,480
CS-15	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
CS-16	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-17	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-18	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,160
CS-19	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-20	4/16/2024	4.5	<10.0	70.1	12.7	82.8	<0.050	<0.050	<0.050	<0.150	<0.300	640
CS-21	4/16/2024	4.5	<10.0	150	36.5	156.5	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-22	4/16/2024	4.5	<10.0	35.3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,680
CS-23	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-24	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-25	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-26	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-27	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-28	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-29	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-30	4/17/2024	4.5	<10.0	127	25.2	152.2	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-31	4/17/2024	4.5	37.8	2,170	378	2,585.8	<0.050	<0.050	<0.050	<0.150	<0.300	1,520
	4/22/2024	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,500
CS-32	4/17/2024	4.5	46.1	2,880	531	3,457.1	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
	4/22/2024	5.0	<10.0	18.7	<10.0	18.7	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-33	4/17/2024	4.5	<10.0	162	33.1	195.1	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
CS-34	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,160
CS-35	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,680
CS-36	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-37	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-38	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-39	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-40	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-41	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-42	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-43	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-44	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-45	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-46	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-47	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-48	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-49	4/19/2024	2.5	<10.0	11.1	<10.0	11.1	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-50	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulatory Criteria <sup>A</sup>			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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

Removed

**Table 2**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>CS-51</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>CS-52</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
<b>CS-53</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>CS-54</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>CS-55</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-56</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>CS-57</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>CS-58</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-59</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-60</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-61</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>CS-62</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
<b>CS-63</b>	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<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**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	4/8/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-6	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	4/8/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	4/8/2024	4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.0
SW-9	4/8/2024	4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.0
SW-10	4/8/2024	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	32.0
SW-11	4/16/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-12	4/16/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-13	4/16/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-14	4/16/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-15	4/16/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-16	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-17	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-18	4/16/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-19	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-20	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-21	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-22	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-23	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-24	4/16/2024	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-25	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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

**Table 2**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-26	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-27	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-28	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-29	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-30	4/17/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-31	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-32	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-33	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-34	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-35	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-36	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-37	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-38	4/17/2024	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-39	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-40	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-41	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-42	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-43	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-44	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-45	4/17/2024	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-46	4/19/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-47	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-48	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-49	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-50	4/19/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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

**Table 2**  
**EOG Resources**  
**Beowulf Riser**  
**Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-51	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-52	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-53	4/19/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-54	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-55	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-56	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-57	4/19/2024	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-58	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-59	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-60	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-61	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-62	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-63	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-64	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-65	4/19/2024	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) 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



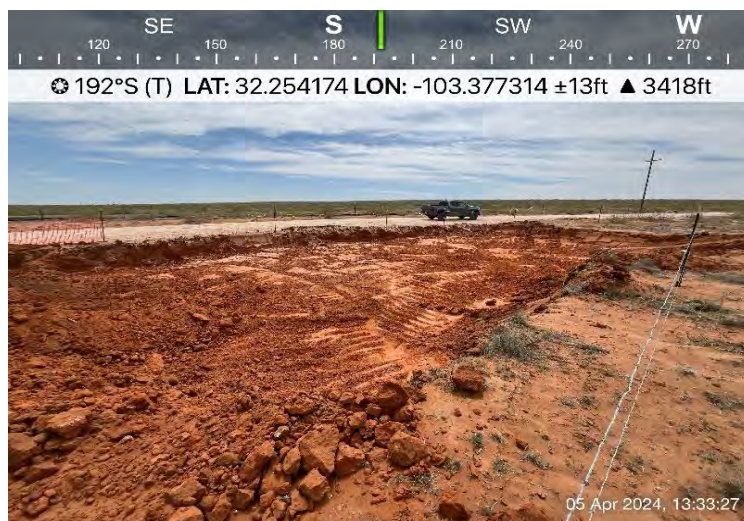


# PHOTOGRAPHIC LOG

EOG Resources, Inc

**Photograph No. 1****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

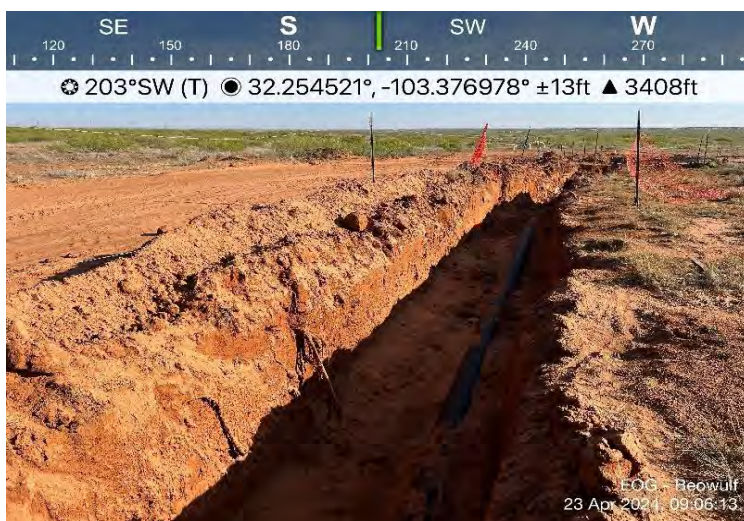
View South, area of CS-1 through CS-10.

**Photograph No. 2****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View North, area of CS-11 through CS-18.

**Photograph No. 3****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View North, area of CS-19 through CS-22.





**PHOTOGRAPHIC LOG**

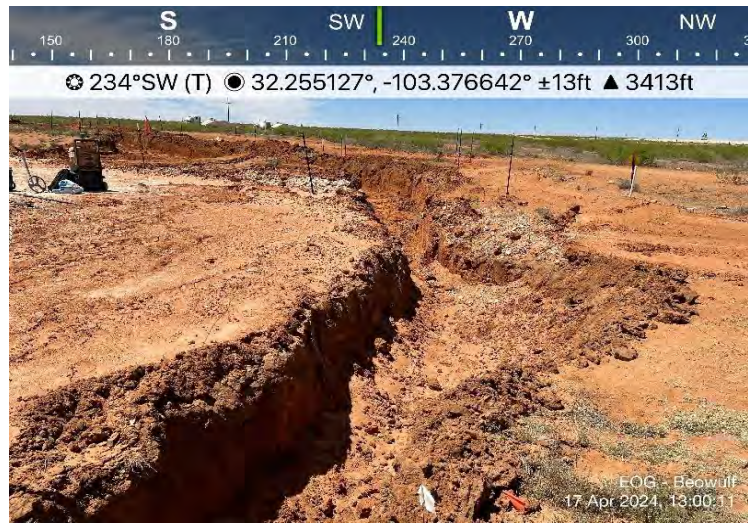
EOG Resources, Inc

**Photograph No. 4****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

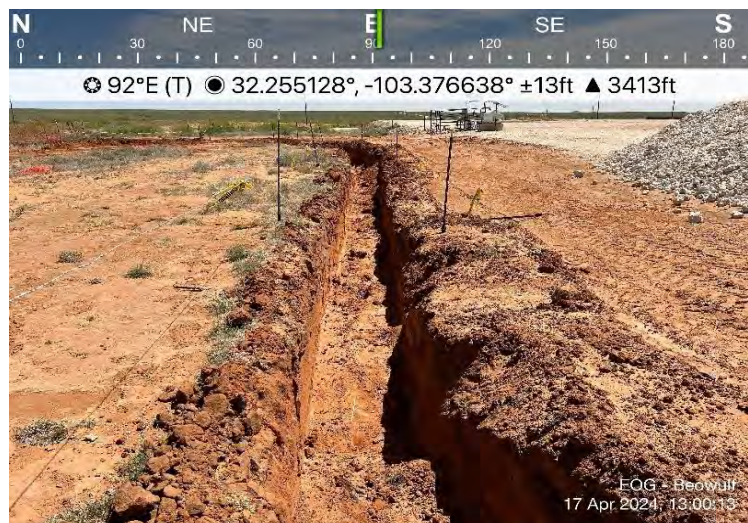
View South, area of CS-23 through CS-29.

**Photograph No. 5****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Southwest, area of CS-30.

**Photograph No. 6****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View East, area of CS-31 through CS-35.





**PHOTOGRAPHIC LOG**

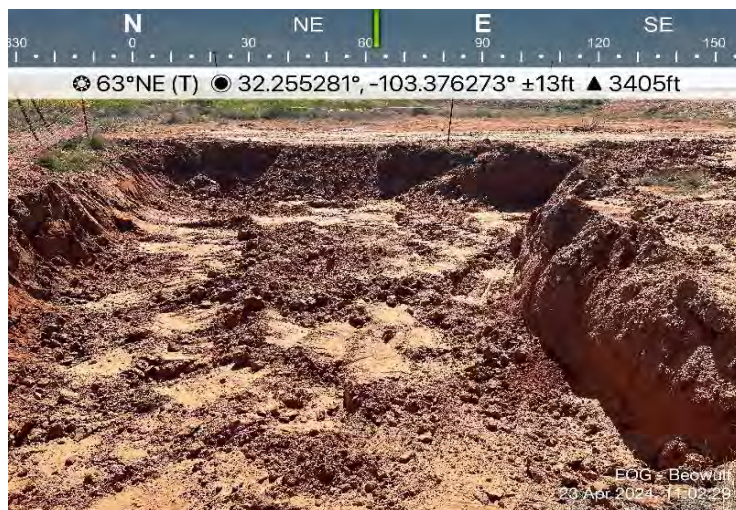
EOG Resources, Inc

**Photograph No. 7****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View South, area of CS-36 and CS-37.

**Photograph No. 8****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Northeast, area of CS-38 through CS-41.

**Photograph No. 9****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View East, area of CS-42 through CS-46.



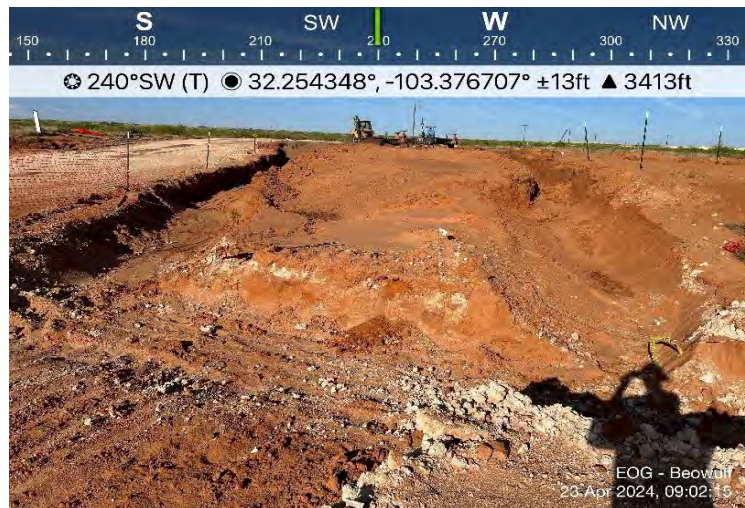


**PHOTOGRAPHIC LOG****EOG Resources, Inc****Photograph No. 10****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

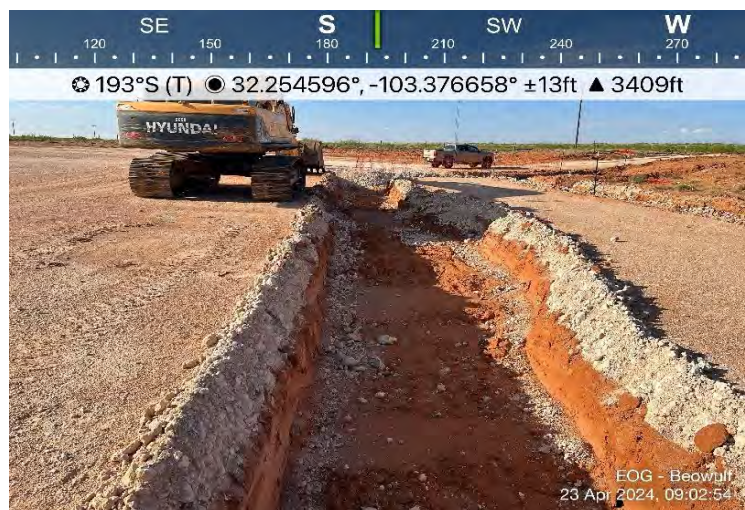
View South, area of CS-47 and CS-48.

**Photograph No. 11****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Southwest, area of CS-49 through CS-54.

**Photograph No. 12****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View South, area of CS-55 through CS-58.





**PHOTOGRAPHIC LOG**

EOG Resources, Inc

**Photograph No. 13****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Northeast, area of CS-59 through CS-63.

**Photograph No. 14****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Northeast, backfilled excavation.

**Photograph No. 15****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View South, backfilled excavation.





**PHOTOGRAPHIC LOG**

EOG Resources, Inc

**Photograph No. 16****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

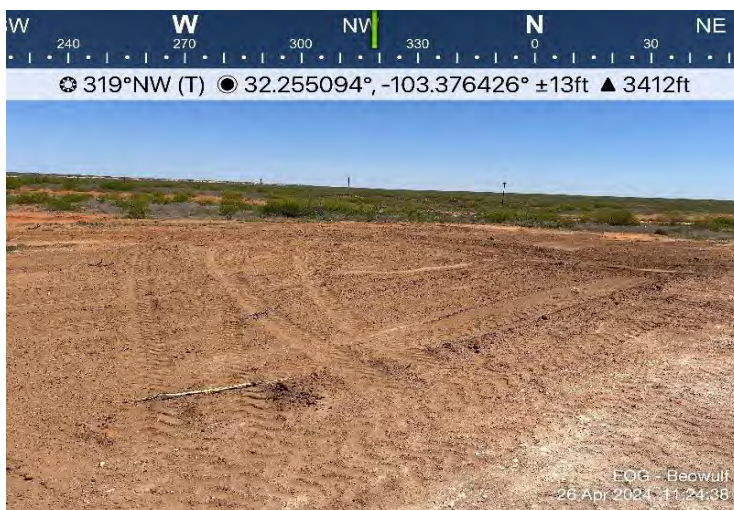
View North, backfilled excavation.

**Photograph No. 17****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View East, backfilled excavation.

**Photograph No. 18****Facility:** Beowulf Riser**County:** Lea County, New Mexico**Description:**

View Northwest, backfilled excavation.





# PHOTOGRAPHIC LOG

EOG Resources, Inc

## Photograph No. 19

Facility: Beowulf Riser

County: Lea County, New Mexico

### Description:

BLM Seed Mixture #2.



## Photograph No. 20

Facility: Beowulf Riser

County: Lea County, New Mexico

### Description:

View Northeast, hand broadcasting of seed.



## Photograph No. 21

Facility: Beowulf Riser

County: Lea County, New Mexico

### Description:

View North, hand broadcasting of seed.



## APPENDIX C

CARMONA RESOURCES



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 215875

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 215875
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Beowulf Riser
Date Release Discovered	04/26/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Gasket   Produced Water   Released: 80 BBL   Recovered: 30 BBL   Lost: 50 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
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.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2  
  
Action 215875

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 215875
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"><li>Unauthorized release of a volume, excluding gases, of 25 barrels or more</li></ul>
If YES, was immediate notice given to the OCD, by whom	Todd Wells
If YES, was immediate notice given to the OCD, to whom	OCD Enviro Inbox
If YES, was immediate notice given to the OCD, when	04/27/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Email to the OCD Enviro Inbox
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS  
  
Action 215875

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 215875
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 215875

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 215875
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
todd wells	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	5/11/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Todd Wells Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS

Action 329827

**QUESTIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 329827
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2313133324
Incident Name	NAPP2313133324 BEOWULF RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

**Location of Release Source**

Site Name	BEOWULF RISER
Date Release Discovered	04/26/2023
Surface Owner	Private

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

What is the sampling surface area in square feet	10,292
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From intersection of Delaware Basin Rd and Teague Switch Rd, head west for 5.4 miles, turn left onto lease rd for 5.6 miles, drive into location.



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 329827

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 329827
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	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.	4/3/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 332874

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 332874
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313133324
Incident Name	NAPP2313133324 BEOWULF RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	BEOWULF RISER
Date Release Discovered	04/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	500
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/16/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From intersection of Delaware Basin Rd and Teague Switch Rd, head west for 5.4 miles, turn left onto lease rd for 5.6 miles, drive into location.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 332874

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 332874
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	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.	4/12/2024

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS

Action 333227

**QUESTIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 333227
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2313133324
Incident Name	NAPP2313133324 BEOWULF RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

**Location of Release Source**

Site Name	BEOWULF RISER
Date Release Discovered	04/26/2023
Surface Owner	Private

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

What is the sampling surface area in square feet	6,333
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/17/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From intersection of Delaware Basin Rd and Teague Switch Rd, head west for 5.4 miles, turn left onto lease rd for 5.6 miles, drive into location.



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 333227

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 333227
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	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.	4/15/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 334412

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 334412
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313133324
Incident Name	NAPP2313133324 BEOWULF RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	BEOWULF RISER
Date Release Discovered	04/26/2023
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,259
What is the estimated number of samples that will be gathered	37
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/19/2024
Time sampling will commence	02:30 PM
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From intersection of Delaware Basin Rd and Teague Switch Rd, head west for 5.4 miles, turn left onto lease rd for 5.6 miles, drive into location.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 334412

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 334412
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	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.	4/17/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 253240

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 253240
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved as written. Remediation Due date updated to February 20, 2024.	11/20/2023



**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Todd Wells](#)  
**Subject:** Re: [EXTERNAL] RE: nAPP2313133324 - Beowulf Riser - Extension of Time Request  
**Date:** Tuesday, February 20, 2024 10:51:43 AM  
**Attachments:** [Outlook-rsvnlw20.png](#)

---

You don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Todd,

Your request for a 90-day time extension request date is approved. The Remediation Due date has been updated to 05/20/2024.

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

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

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

Thank you.

Regards,

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



---

**From:** Todd Wells <[Todd\\_Wells@eogresources.com](mailto:Todd_Wells@eogresources.com)>

**Sent:** Tuesday, February 20, 2024 9:38 AM

**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

**Subject:** [EXTERNAL] RE: nAPP2313133324 - Beowulf Riser - Extension of Time Request

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

Good Morning Mr. Velez,

This correspondence is to request a ninety day extension of time from the OCD for the produced water release at the EOG Beowulf Riser site, Incident # nAPP2313133324, location in Lea County, New Mexico. EOG Resources is currently finalizing the written agreement between the contractor and EOG Resources. Once the agreement is signed, then the contractor will initiate the one call process and the remediation activities. The plan is to begin the remediation activities during the first week in March. The requested extension of time is to complete the one call, remediation activities, write and submit the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Monday, November 20, 2023 2:28 PM

**To:** Todd Wells <Todd\_Wells@eogresources.com>

**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 253240

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Todd Wells for EOG RESOURCES INC),  
The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2313133324, with the following conditions:

- **Remediation plan approved as written. Remediation Due date updated to February 20, 2024.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,

Nelson Velez

Environmental Specialist - Advanced

505-469-6146

[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

## APPENDIX D

CARMONA RESOURCES



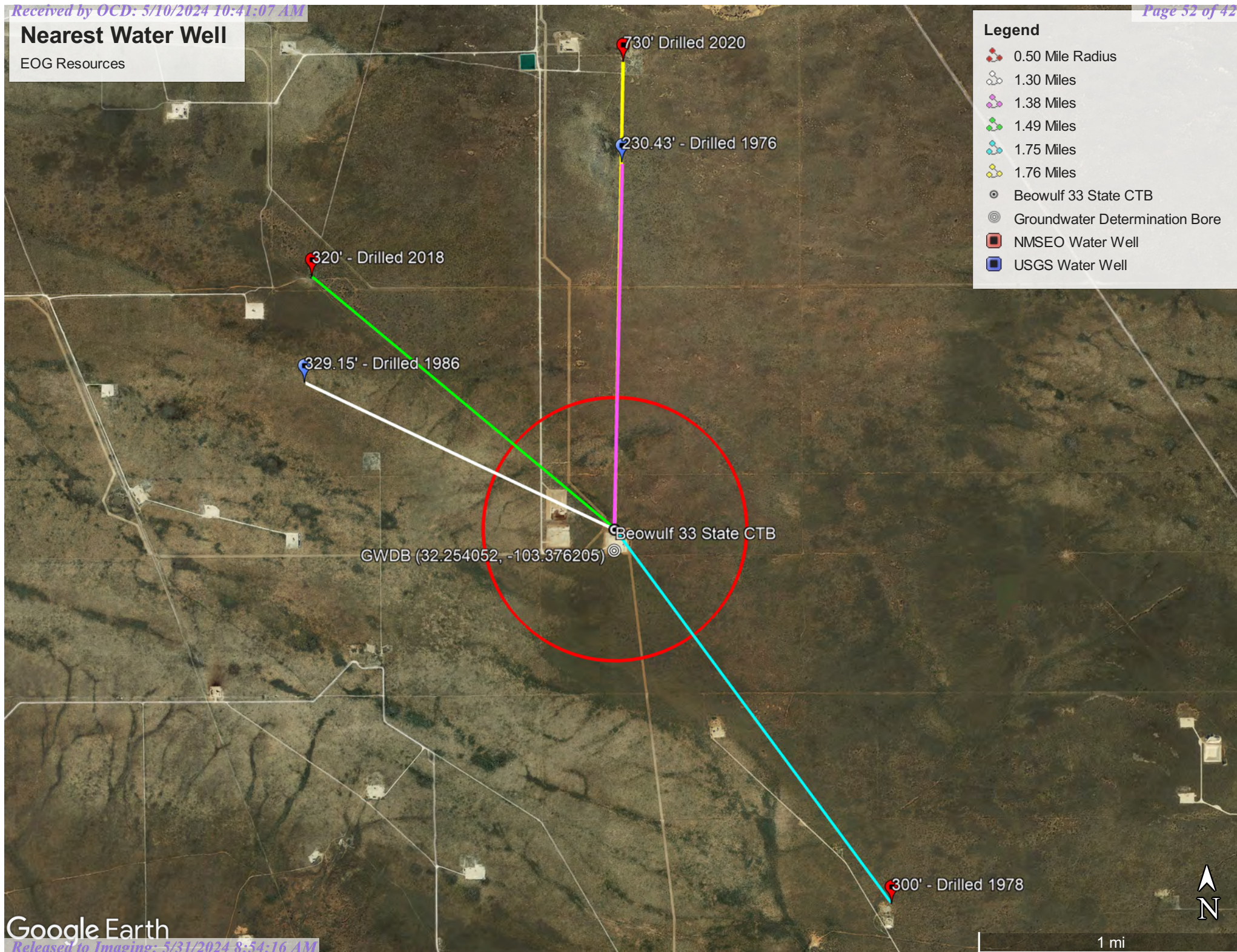


# Nearest Water Well

EOG Resources

## Legend

- 0.50 Mile Radius
- 1.30 Miles
- 1.38 Miles
- 1.49 Miles
- 1.75 Miles
- 1.76 Miles
- Beowulf 33 State CTB
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well





Low Karst

EOG Resources

Legend

- Beowulf 33 State CTB
- Low


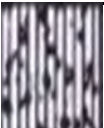

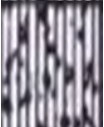

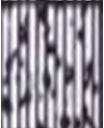
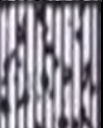
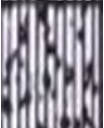


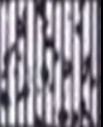






Beowulf 33 State CTB



4 mi



Project Name :	Beowulf 33 State CTB	Date :	Thursday, June 8, 2023
Project No. :	2026	Sampler :	Lane Scarborough
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.254020°, -103.376187°	Method :	Air Rotary
Elevation :	3,412		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Red, very loose, fine sand, dry (SM).		50		(50') - Brown very loose, fine sand (SM).	
5		(5') - Red, very loose, fine sand, dry (SM).		55		(55') - Brown very loose, fine sand (SM).	
10		(10') - White very loose, fine sand, with 50% coarse, medium, angular sand (SP).		60		(60') - Brown very loose, fine sand (SM).	
15		(15') - White very loose, fine sand (SM).		65		(65') - Brown very loose, fine sand (SM).	
20		(20') - White very loose, fine sand (SM).		70		(70') - Brown very loose, fine sand (SM).	
25		(25') - Brown very loose, fine sand (SM).		75		(75') - Brown very loose, fine sand (SM).	
30		(30') - Brown very loose, fine sand (SM).		80		(80') - Brown very loose, fine sand (SM).	
35		(35') - Brown very loose, fine sand (SM).		85			
40		(40') - Brown very loose, fine sand (SM).		90			
45		(45') - Brown very loose, fine sand (SM).		95			
50				105			

Comments : Boring terminated at 80' with no presence of groundwater or moisture.



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 00614 POD2</a>	CP	LE		4	3	3	29	23S	35E	651102	3571401	2400	440	320	120
<a href="#">CP 00366 POD1</a>	CP	LE		4	1	1	10	24S	35E	654447	3567834*	2532	1250		
<a href="#">CP 01513 POD1</a>	CP	LE		3	3	1	10	24S	35E	654184	3567350	2814	186		
<a href="#">CP 00573</a>	CP	LE		1	4	1	10	24S	35E	654657	3567638*	2814	405	300	105
<a href="#">CP 01100 POD3</a>	CP	LE		3	2	1	28	23S	35E	652987	3572726	2838	950	730	220
<a href="#">CP 01100 POD2</a>	CP	LE			2	1	28	23S	35E	652995	3572726	2838	750	125	625
<a href="#">CP 01099 POD2</a>	CP	LE		3	3	3	21	23S	35E	652968	3572750	2862	750	120	630
<a href="#">CP 01099 POD3</a>	CP	LE		1	1	1	28	23S	35E	652478	3572932	3082	930	725	205
<a href="#">CP 00845 POD1</a>	CP	LE			1	3	10	24S	35E	654360	3567130*	3090	190		
<a href="#">CP 01057 POD1</a>	CP	LE		4	2	3	02	24S	35E	656464	3568762	3674	5390	4365	1025
<a href="#">CP 01056 POD1</a>	CP	LE		4	4	3	02	24S	35E	656465	3568304	3840	5396	4399	997

Average Depth to Water: **1385 feet**

Minimum Depth: **120 feet**

Maximum Depth: **4399 feet**

Record Count: 11

### UTMNA83 Radius Search (in meters):

**Easting (X):** 652965.98

**Northing (Y):** 3569887.97

**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.

5/15/23 7:12 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 321548103234601

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

USGS 321548103234601 23S.35E.29.33431

Lea County, New Mexico  
Latitude 32°15'48", Longitude 103°23'46" NAD27  
Land-surface elevation 3,451 feet above NAVD88  
The depth of the well is 400 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1968-06-11			D 62610		3122.09	NGVD29	1		Z	
1968-06-11			D 62611		3123.67	NAVD88	1		Z	
1968-06-11			D 72019	327.33			1		Z	
1970-12-09			D 62610		3122.95	NGVD29	1		Z	
1970-12-09			D 62611		3124.53	NAVD88	1		Z	
1970-12-09			D 72019	326.47			1		Z	
1976-12-16			D 62610		3122.48	NGVD29	1		Z	
1976-12-16			D 62611		3124.06	NAVD88	1		Z	
1976-12-16			D 72019	326.94			1		Z	
1981-03-31			D 62610		3121.42	NGVD29	1		Z	
1981-03-31			D 62611		3123.00	NAVD88	1		Z	
1981-03-31			D 72019	328.00			1		Z	
1986-04-17			D 62610		3120.27	NGVD29	1		Z	
1986-04-17			D 62611		3121.85	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1986-04-17			D	72019	329.15		1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

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



Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2023-05-15 09:24:50 EDT  
0.29 0.25 nadww02



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 321631103223201

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

USGS 321631103223201 23S.35E.28.12321

Lea County, New Mexico  
Latitude 32°16'31", Longitude 103°22'32" NAD27  
Land-surface elevation 3,369 feet above NAVD88  
The depth of the well is 242 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1967-10-17			D	62610	3133.72	NGVD29	1	Z		
1967-10-17			D	62611	3135.29	NAVD88	1	Z		
1967-10-17			D	72019	233.71		1	Z		
1976-01-23			D	62610	3137.00	NGVD29	1	Z		
1976-01-23			D	62611	3138.57	NAVD88	1	Z		
1976-01-23			D	72019	230.43		1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
[News](#)

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



Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2023-05-15 09:22:19 EDT  
0.3 0.26 nadww02





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
221BF	CP 00614 POD2	4	3	3	29	23S	35E	651102	3571401

**Driller License:** 1706 **Driller Company:** ELITE DRILLERS CORPORATION

**Driller Name:** WALLACE, BRYCE J.LEE.NER

<b>Drill Start Date:</b> 11/20/2018	<b>Drill Finish Date:</b> 11/23/2018	<b>Plug Date:</b>
<b>Log File Date:</b> 03/01/2019	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 35 GPM
<b>Casing Size:</b> 7.60	<b>Depth Well:</b> 440 feet	<b>Depth Water:</b> 320 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	250	360	Sandstone/Gravel/Conglomerate
	360	390	Sandstone/Gravel/Conglomerate
	390	420	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	300	440

<b>Meter Number:</b> 18965	<b>Meter Make:</b> TURBINES INC
<b>Meter Serial Number:</b> 2006262	<b>Meter Multiplier:</b> 1.0000
<b>Number of Dials:</b> 7	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Barrels 42 gal.	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b> Monthly

### Meter Readings (in Acre-Feet)

<b>Read Date</b>	<b>Year</b>	<b>Mtr Reading</b>	<b>Flag</b>	<b>Rdr</b>	<b>Comment</b>	<b>Mtr Amount Online</b>
01/07/2019	2019	0	A	RPT		0
03/31/2019	2019	3119	A	RPT		0.402
07/01/2019	2019	59656	A	RPT		7.287
08/02/2019	2019	66066	A	RPT		0.826
09/01/2019	2019	74191	A	RPT		1.047
10/07/2019	2019	84708	A	RPT	RPT had 840707.966	1.356
11/04/2019	2019	93820	A	RPT		1.174
12/03/2019	2019	138145	A	RPT		5.713
02/01/2020	2020	178016	A	RPT		5.139
03/02/2020	2020	207585	A	RPT		3.811
04/13/2020	2020	28729	A	RPT	initial read for new meter	0
04/13/2020	2020	217794	A	RPT	Final Meter Read	1.316
05/04/2020	2020	36326	A	RPT		0.979
06/04/2020	2020	64019	A	RPT		3.569
07/02/2020	2020	87365	A	RPT		3.009
08/03/2020	2020	116878	A	RPT		3.804
10/09/2020	2020	150197	A	RPT		4.295
11/06/2020	2020	177172	A	RPT		3.477

12/14/2020	2020	193192	A	RPT	2.065
01/07/2021	2020	203980	A	RPT	1.391
02/05/2021	2021	233044	A	RPT	3.746
08/02/2021	2021	51144	A	ad	0
09/01/2021	2021	51144	A	ad	0
10/05/2021	2021	82316	A	ad	4.018
11/04/2021	2021	97536	A	ad	1.962
12/14/2021	2021	128306	A	ad	3.966
01/01/2022	2022	129650	A	ad	0.173
02/08/2022	2022	129650	A	ad	0
03/02/2022	2022	129650	A	ad	0
04/01/2022	2022	129650	A	ad	0
05/10/2022	2022	129964	A	ad	0.040
06/07/2022	2022	129964	A	ad	0
09/05/2022	2022	129964	A	ad	0
10/10/2022	2022	129964	A	ad	0
11/10/2022	2022	129964	A	ad	0

**YTD Meter Amounts:			Year	Amount
			2019	17.805
			2020	32.855
			2021	13.692
			2022	0.213

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


5/15/23 7:13 AM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	CP 00573	1	4	1	10	24S	35E	654657	3567638*		
x											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		ABBOTT, MURRELL									
Drill Start Date:		09/28/1978		Drill Finish Date:			10/12/1978		Plug Date:		11/01/1978
Log File Date:		10/19/1978		PCW Rcv Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield: 20 GPM	
Casing Size:		5.50		Depth Well:			405 feet		Depth Water:		300 feet
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				300	405	Sandstone/Gravel/Conglomerate					
x											
Casing Perforations:				Top	Bottom						
				355	405						
x											

\*UTM location was derived from PLSS - see Help

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



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01100 POD3	3	2	1	28	23S	35E	652987	3572726

Driller License: 1706

Driller Company: ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 09/12/2020

Drill Finish Date: 11/01/2020

Plug Date:

Log File Date: 11/17/2020

PCW Rev Date:

Source: Artesian

Pump Type:

Pipe Discharge Size:

Estimated Yield: 55 GPM

Casing Size: 7.87

Depth Well: 950 feet

Depth Water: 730 feet

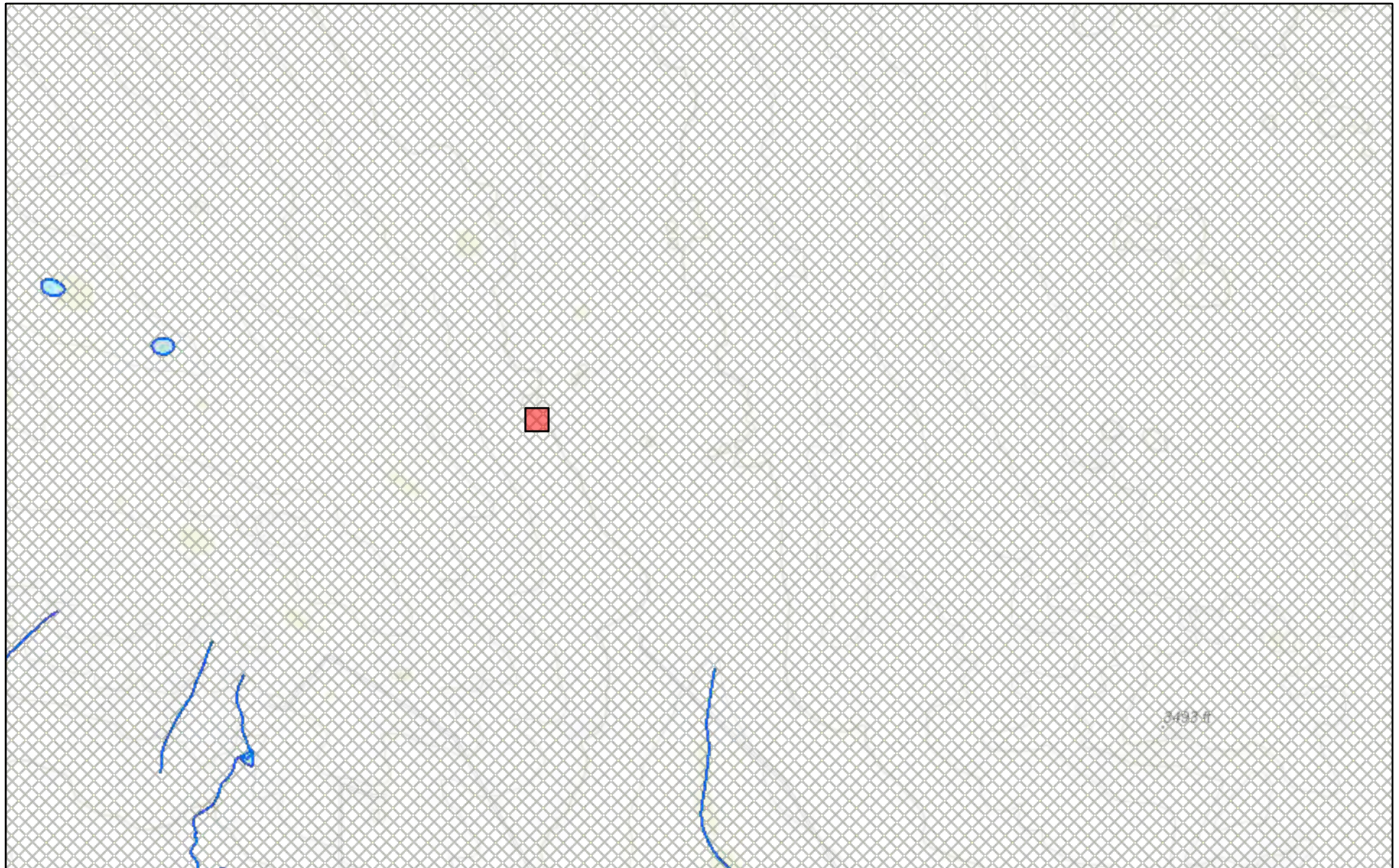
Water Bearing Stratifications:	Top	Bottom	Description
	705	940	

Casing Perforations:	Top	Bottom
	650	950

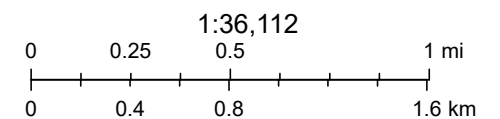
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/TSC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



# New Mexico NFHL Data



May 15, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

## APPENDIX E

CARMONA RESOURCES





Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 5/17/2023 3:41:42 PM

## JOB DESCRIPTION

Beowulf 33 State CTB  
SDG NUMBER Lea County, NM

## JOB NUMBER

880-28369-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
5/17/2023 3:41:42 PM

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



Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Laboratory Job ID: 880-28369-1  
SDG: Lea County, NM

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	6
Client Sample Results . . . . .	10
Surrogate Summary . . . . .	62
QC Sample Results . . . . .	67
QC Association Summary . . . . .	91
Lab Chronicle . . . . .	109
Certification Summary . . . . .	131
Method Summary . . . . .	132
Sample Summary . . . . .	133
Chain of Custody . . . . .	135
Receipt Checklists . . . . .	142

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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
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.
α	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)

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

## Case Narrative

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Job ID: 880-28369-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-28369-1****Receipt**

The samples were received on 5/12/2023 12:40 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 2.9°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-28369-1), S-1 (1.5') (880-28369-2), S-1 (2') (880-28369-3), S-1 (3') (880-28369-4), S-2 (0-1') (880-28369-5), S-2 (1.5') (880-28369-6), S-2 (2') (880-28369-7), S-2 (3') (880-28369-8), S-3 (0-1') (880-28369-9), S-3 (1.5') (880-28369-10), S-3 (2') (880-28369-11), S-3 (3') (880-28369-12), S-3 (4') (880-28369-13), S-4 (0-1') (880-28369-14), S-4 (1.5') (880-28369-15), S-4 (2') (880-28369-16), S-4 (3') (880-28369-17), S-4 (4') (880-28369-18), S-5 (0-1') (880-28369-19), S-5 (1.5') (880-28369-20), S-5 (2') (880-28369-21), S-5 (3') (880-28369-22), S-6 (0-1') (880-28369-23), S-6 (1.5') (880-28369-24), S-6 (2') (880-28369-25), S-6 (3') (880-28369-26), S-7 (0-1') (880-28369-27), S-7 (1.5') (880-28369-28), S-8 (0-1') (880-28369-29), S-8 (1.5') (880-28369-30), S-8 (2') (880-28369-31), S-8 (3') (880-28369-32), S-9 (0-1') (880-28369-33), S-9 (1.5') (880-28369-34), S-9 (2') (880-28369-35), S-9 (3') (880-28369-36), S-9 (4') (880-28369-37), S-10 (0-1') (880-28369-38), S-10 (1.5') (880-28369-39), S-10 (2') (880-28369-40), S-10 (3') (880-28369-41), S-10 (4') (880-28369-42), S-11 (0-1') (880-28369-43), S-11 (1.5') (880-28369-44), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-12 (3') (880-28369-48), S-12 (4') (880-28369-49), S-13 (0-1') (880-28369-50), S-13 (1.5') (880-28369-51), S-13 (2') (880-28369-52), S-13 (3') (880-28369-53), S-13 (4') (880-28369-54), S-14 (0-1') (880-28369-55), S-14 (1.5') (880-28369-56), S-14 (2') (880-28369-57), S-14 (3') (880-28369-58), S-14 (4') (880-28369-59), S-15 (0-1') (880-28369-60), S-15 (1.5') (880-28369-61), S-15 (2') (880-28369-62), S-15 (3') (880-28369-63), S-15 (4') (880-28369-64), S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66), S-16 (2') (880-28369-67), S-16 (3') (880-28369-68) and S-16 (4') (880-28369-69).

**GC VOA**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53200 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53200/20) and (CCV 880-53200/33).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53264 and analytical batch 880-53200 was outside acceptance criteria for toluene, ethylbenzene, m-Xylene & p-Xylene, and o-Xylene. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-6 (2') (880-28369-25), S-7 (1.5') (880-28369-28), S-8 (1.5') (880-28369-30), S-8 (2') (880-28369-31), S-9 (0-1') (880-28369-33), S-9 (1.5') (880-28369-34), S-9 (3') (880-28369-36), S-10 (0-1') (880-28369-38) and S-10 (2') (880-28369-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53263 and analytical batch 880-53199 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53199/20) and (CCV 880-53199/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-3 (1.5') (880-28369-10), S-4 (4') (880-28369-18) and (LCSD 880-53263/2-A). Evidence of matrix interferences is not obvious.



## Case Narrative

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Job ID: 880-28369-1 (Continued)****Laboratory: Eurofins Midland (Continued)**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53101 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. Another CCV was analyzed and acceptable within the 12 hour window, therefore, the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-11 (0-1') (880-28369-43), S-11 (1.5') (880-28369-44), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-13 (0-1') (880-28369-50), S-14 (1.5') (880-28369-56), S-14 (4') (880-28369-59) and S-15 (0-1') (880-28369-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-53203/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53334 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53242 and analytical batch 880-53337 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66), S-16 (2') (880-28369-67) and S-16 (3') (880-28369-68). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-53242/5-B). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-12 (1.5') (880-28369-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-53272 and analytical batch 880-53334 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53491 and analytical batch 880-53488 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-10 (2') (880-28369-40), S-12 (0-1') (880-28369-45) and S-12 (1.5') (880-28369-46). 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.

**GC Semi VOA**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-53289 and analytical batch 880-53191 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-28369-1), (880-28369-A-1-F MS) and (880-28369-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

## Case Narrative

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Job ID: 880-28369-1 (Continued)****Laboratory: Eurofins Midland (Continued)**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-2 (1.5') (880-28369-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-3 (0-1') (880-28369-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-4 (0-1') (880-28369-14) and S-5 (0-1') (880-28369-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike (MS) recoveries for preparation batch 880-53289 and analytical batch 880-53191 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-53304 and 880-53306 and analytical batch 880-53318 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-53304/3-A) and (LCSD 880-53306/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-12 (3') (880-28369-48), S-13 (1.5') (880-28369-51), S-13 (2') (880-28369-52), S-13 (3') (880-28369-53), S-13 (4') (880-28369-54) and S-14 (0-1') (880-28369-55). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-10 (3') (880-28369-41). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-10 (4') (880-28369-42) and S-11 (1.5') (880-28369-44). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-11 (0-1') (880-28369-43), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-13 (0-1') (880-28369-50), S-14 (1.5') (880-28369-56), S-14 (2') (880-28369-57), S-14 (3') (880-28369-58), S-14 (4') (880-28369-59) and S-15 (0-1') (880-28369-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-28372-A-21-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-15 (4') (880-28369-64). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-53288 and analytical batch 880-53193 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-9 (0-1') (880-28369-33), S-9 (4') (880-28369-37) and S-10 (0-1') (880-28369-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-53288 and analytical batch 880-53193 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-53379 and analytical batch 880-53324

## Case Narrative

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Job ID: 880-28369-1 (Continued)****Laboratory: Eurofins Midland (Continued)**

was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66) and S-16 (2') (880-28369-67). 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\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-53280 and analytical batch 880-53354 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53282, 880-53282 and 880-53282 and analytical batch 880-53394 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S-1 (0-1') (880-28369-1), S-1 (1.5') (880-28369-2), S-1 (2') (880-28369-3), S-1 (3') (880-28369-4) and S-2 (0-1') (880-28369-5).

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53278 and analytical batch 880-53401 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S-16 (2') (880-28369-67), S-16 (3') (880-28369-68), S-16 (4') (880-28369-69), (880-28369-A-67-C MS) and (880-28369-A-67-D MSD).

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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/12/23 13:21	05/12/23 17:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/12/23 13:21	05/12/23 17:28	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/12/23 16:39	05/12/23 21:23	1
o-Terphenyl	68	S1-	70 - 130	05/12/23 16:39	05/12/23 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		5.02		mg/Kg			05/15/23 23:31	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/23 13:21	05/12/23 17:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:21	05/12/23 17:48	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/12/23 16:39	05/12/23 22:28	1
o-Terphenyl	72		70 - 130				05/12/23 16:39	05/12/23 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		4.99		mg/Kg			05/15/23 23:36	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 18:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/12/23 13:21	05/12/23 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/12/23 22:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 22:49	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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		05/12/23 16:39	05/12/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/12/23 16:39	05/12/23 22:49	1
o-Terphenyl	75		70 - 130				05/12/23 16:39	05/12/23 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.8		4.98		mg/Kg			05/15/23 23:41	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-28369-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 18:29	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/12/23 13:21	05/12/23 18:29	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/12/23 16:39	05/12/23 23:11	1
o-Terphenyl	77		70 - 130				05/12/23 16:39	05/12/23 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		5.00		mg/Kg			05/15/23 23:47	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/12/23 13:21	05/12/23 18:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/12/23 13:21	05/12/23 18:49	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/12/23 16:39	05/12/23 23:33	1
o-Terphenyl	78		70 - 130	05/12/23 16:39	05/12/23 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		4.96		mg/Kg			05/15/23 23:52	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28369-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/12/23 13:21	05/12/23 19:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/12/23 13:21	05/12/23 19:10	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28369-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130				05/12/23 16:39	05/12/23 23:54	1
o-Terphenyl	143	S1+	70 - 130				05/12/23 16:39	05/12/23 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.8		4.97		mg/Kg			05/15/23 08:48	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				05/12/23 13:21	05/12/23 19:30	1
1,4-Difluorobenzene (Surr)	116		70 - 130				05/12/23 13:21	05/12/23 19:30	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 00:15	1
o-Terphenyl	77		70 - 130				05/12/23 16:39	05/13/23 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.9		5.03		mg/Kg			05/15/23 09:05	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28369-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 19:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/12/23 16:39	05/13/23 00:37	1
o-Terphenyl	81		70 - 130				05/12/23 16:39	05/13/23 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		5.02		mg/Kg			05/15/23 09:10	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 20:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:21	05/12/23 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/12/23 16:39	05/13/23 00:58	1
o-Terphenyl	62	S1-	70 - 130	05/12/23 16:39	05/13/23 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.9		4.97		mg/Kg			05/15/23 09:15	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/12/23 13:21	05/12/23 20:31	1
1,4-Difluorobenzene (Surr)	118		70 - 130	05/12/23 13:21	05/12/23 20:31	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 01:19	1
o-Terphenyl	76		70 - 130				05/12/23 16:39	05/13/23 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		5.01		mg/Kg			05/15/23 09:21	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28369-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/12/23 13:21	05/12/23 22:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

## Lab Sample ID: 880-28369-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/12/23 16:39	05/13/23 02:02	1
o-Terphenyl	83		70 - 130				05/12/23 16:39	05/13/23 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.5		4.95		mg/Kg			05/15/23 10:04	1

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

## Lab Sample ID: 880-28369-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 22:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/12/23 13:21	05/12/23 22:42	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			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 02:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/12/23 16:39	05/13/23 02:24	1
o-Terphenyl	92		70 - 130				05/12/23 16:39	05/13/23 02:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		4.96		mg/Kg			05/15/23 10:09	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-3 (4')

Lab Sample ID: 880-28369-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/12/23 13:21	05/12/23 23:03	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 23:03	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			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 02:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/12/23 16:39	05/13/23 02:45	1
o-Terphenyl	82		70 - 130	05/12/23 16:39	05/13/23 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.05		mg/Kg			05/15/23 10:14	1

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

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Toluene	0.00268		0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	05/12/23 13:21	05/12/23 23:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 23:23	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 03:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/12/23 16:39	05/13/23 03:07	1
o-Terphenyl	65	S1-	70 - 130				05/12/23 16:39	05/13/23 03:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.8		5.05		mg/Kg			05/15/23 10:20	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28369-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				05/12/23 13:21	05/12/23 23:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/12/23 13:21	05/12/23 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28369-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/23 16:39	05/13/23 03:28	1
o-Terphenyl	81		70 - 130				05/12/23 16:39	05/13/23 03:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		4.98		mg/Kg			05/15/23 10:25	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-28369-16

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/12/23 13:21	05/13/23 00:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/12/23 13:21	05/13/23 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	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			05/15/23 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		05/12/23 16:39	05/13/23 03:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/12/23 16:39	05/13/23 03:50	1
o-Terphenyl	82		70 - 130				05/12/23 16:39	05/13/23 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.0		5.03		mg/Kg			05/15/23 10:30	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Lab Sample ID: 880-28369-17

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/12/23 13:21	05/13/23 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/12/23 13:21	05/13/23 00:24	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:21	05/13/23 00:24	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/12/23 16:39	05/13/23 04:12	1
o-Terphenyl	78		70 - 130	05/12/23 16:39	05/13/23 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		5.01		mg/Kg			05/15/23 10:46	1

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28369-18

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
o-Xylene	0.00341		0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:21	05/13/23 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130	05/12/23 13:21	05/13/23 00:44	1
1,4-Difluorobenzene (Surr)	115		70 - 130	05/12/23 13:21	05/13/23 00:44	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28369-18

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/12/23 16:39	05/13/23 04:33	1
o-Terphenyl	83		70 - 130				05/12/23 16:39	05/13/23 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.6		4.97		mg/Kg			05/15/23 10:52	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28369-19

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/12/23 13:21	05/13/23 01:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/12/23 13:21	05/13/23 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28369-19

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/12/23 16:39	05/13/23 04:55	1
o-Terphenyl	67	S1-	70 - 130				05/12/23 16:39	05/13/23 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		4.96		mg/Kg			05/15/23 11:08	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28369-20

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				05/12/23 13:21	05/13/23 01:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/12/23 13:21	05/13/23 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 05:17	1
o-Terphenyl	75		70 - 130				05/12/23 16:39	05/13/23 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		5.03		mg/Kg			05/15/23 11:13	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-5 (2')

Lab Sample ID: 880-28369-21

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:23	05/13/23 00:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/12/23 13:23	05/13/23 00:13	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			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/12/23 16:36	05/12/23 21:23	1
o-Terphenyl	115		70 - 130	05/12/23 16:36	05/12/23 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.02		mg/Kg			05/15/23 11:19	1

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28369-22

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
m-Xylene & p-Xylene	<0.00401	U **	0.00401		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		05/12/23 13:23	05/13/23 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/12/23 13:23	05/13/23 00:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:23	05/13/23 00:34	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28369-22

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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			05/15/23 15:34	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 16:36	05/12/23 22:28	1
o-Terphenyl	105		70 - 130				05/12/23 16:36	05/12/23 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.0		4.99		mg/Kg			05/15/23 11:24	1

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-28369-23

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				05/12/23 14:20	05/15/23 15:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 14:20	05/15/23 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/16/23 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:49	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-28369-23

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/12/23 16:36	05/12/23 22:49	1
o-Terphenyl	94		70 - 130				05/12/23 16:36	05/12/23 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.7		4.98		mg/Kg			05/15/23 11:29	1

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-28369-24

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:23	05/13/23 01:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:23	05/13/23 01:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/12/23 16:36	05/12/23 23:11	1
o-Terphenyl	113		70 - 130				05/12/23 16:36	05/12/23 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		5.00		mg/Kg			05/15/23 11:35	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-6 (2')

Lab Sample ID: 880-28369-25

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	05/12/23 13:23	05/13/23 01:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/23 13:23	05/13/23 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/12/23 16:36	05/12/23 23:33	1
o-Terphenyl	105		70 - 130	05/12/23 16:36	05/12/23 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		5.01		mg/Kg			05/15/23 11:40	1

Client Sample ID: S-6 (3')

Lab Sample ID: 880-28369-26

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/12/23 13:23	05/13/23 01:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:23	05/13/23 01:57	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-6 (3')

Lab Sample ID: 880-28369-26

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/12/23 16:36	05/12/23 23:54	1
o-Terphenyl	126		70 - 130				05/12/23 16:36	05/12/23 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.9		5.02		mg/Kg			05/15/23 12:23	1

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-28369-27

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				05/12/23 13:23	05/13/23 02:18	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:23	05/13/23 02:18	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			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3510		49.8		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	1
Diesel Range Organics (Over C10-C28)	3150		49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-28369-27

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	361		49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	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	115		70 - 130				05/12/23 16:36	05/13/23 04:33	1
o-Terphenyl	120		70 - 130				05/12/23 16:36	05/13/23 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		25.3		mg/Kg			05/15/23 12:39	5

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-28369-28

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 16:03	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)	90		70 - 130				05/12/23 14:20	05/15/23 16:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/12/23 14:20	05/15/23 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/16/23 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	336		50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	1
Diesel Range Organics (Over C10-C28)	336		50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	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	99		70 - 130				05/12/23 16:36	05/13/23 00:15	1
o-Terphenyl	109		70 - 130				05/12/23 16:36	05/13/23 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		24.9		mg/Kg			05/15/23 12:45	5

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-28369-29

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/12/23 13:23	05/13/23 02:59	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:23	05/13/23 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/12/23 16:36	05/13/23 00:37	1
o-Terphenyl	115		70 - 130	05/12/23 16:36	05/13/23 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		4.96		mg/Kg			05/15/23 12:50	1

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28369-30

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/12/23 13:23	05/13/23 03:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/12/23 13:23	05/13/23 03:20	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28369-30

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	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			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 16:36	05/13/23 00:58	1
o-Terphenyl	106		70 - 130				05/12/23 16:36	05/13/23 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		5.00		mg/Kg			05/15/23 12:55	1

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				05/12/23 13:23	05/13/23 04:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/12/23 13:23	05/13/23 04:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/23 16:36	05/13/23 01:19	1
o-Terphenyl	130		70 - 130				05/12/23 16:36	05/13/23 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		5.03		mg/Kg			05/15/23 13:11	1

Client Sample ID: S-8 (3')

Lab Sample ID: 880-28369-32

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:23	05/13/23 05:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/12/23 13:23	05/13/23 05:06	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			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/12/23 16:36	05/13/23 02:02	1
o-Terphenyl	114		70 - 130				05/12/23 16:36	05/13/23 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.2		5.01		mg/Kg			05/15/23 13:17	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-28369-33

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Toluene	<0.101	U	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Ethylbenzene	1.78	++	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
m-Xylene & p-Xylene	6.21	++	0.202		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
o-Xylene	2.82	++	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Xylenes, Total	9.03	++	0.202		mg/Kg		05/12/23 13:23	05/13/23 06:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	05/12/23 13:23	05/13/23 06:08	50
1,4-Difluorobenzene (Surr)	96		70 - 130	05/12/23 13:23	05/13/23 06:08	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.8		0.202		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10200		250		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	334		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5
Diesel Range Organics (Over C10-C28)	8840		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5
Oil Range Organics (Over C28-C36)	1060		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/12/23 16:36	05/13/23 03:50	5
o-Terphenyl	214	S1+	70 - 130	05/12/23 16:36	05/13/23 03:50	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		25.0		mg/Kg			05/15/23 13:22	5

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0996	U	0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
Toluene	0.129		0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
Ethylbenzene	1.75	++	0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
m-Xylene & p-Xylene	7.06	++	0.199		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
o-Xylene	3.37	++	0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
Xylenes, Total	10.4	++	0.199		mg/Kg		05/12/23 13:23	05/13/23 06:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	05/12/23 13:23	05/13/23 06:29	50
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:23	05/13/23 06:29	50

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	12.3		0.199		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4190		49.9		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	208		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Diesel Range Organics (Over C10-C28)	3620		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Oil Range Organics (Over C28-C36)	365		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/12/23 16:36	05/13/23 04:12	1
o-Terphenyl	109		70 - 130				05/12/23 16:36	05/13/23 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		5.03		mg/Kg			05/15/23 13:27	1

Client Sample ID: S-9 (2')

Lab Sample ID: 880-28369-35

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/12/23 13:23	05/13/23 05:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/23 13:23	05/13/23 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (2')

Lab Sample ID: 880-28369-35

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/23 16:36	05/13/23 02:24	1
o-Terphenyl	108		70 - 130				05/12/23 16:36	05/13/23 02:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.98		mg/Kg			05/15/23 13:33	1

Client Sample ID: S-9 (3')

Lab Sample ID: 880-28369-36

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Toluene	0.0565		0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Ethylbenzene	0.125	*+	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
m-Xylene & p-Xylene	0.576	*+	0.0798		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
o-Xylene	0.259	*+	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Xylenes, Total	0.835	*+	0.0798		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				05/12/23 13:23	05/13/23 06:50	20
1,4-Difluorobenzene (Surr)	0.04	S1-	70 - 130				05/12/23 13:23	05/13/23 06:50	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.02		0.0798		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	766		50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Diesel Range Organics (Over C10-C28)	670		50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Oil Range Organics (Over C28-C36)	95.7		50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:36	05/13/23 04:55	1
o-Terphenyl	111		70 - 130				05/12/23 16:36	05/13/23 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316	F1	4.96		mg/Kg			05/15/23 13:38	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (4')

Lab Sample ID: 880-28369-37

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Ethylbenzene	0.00205	*+	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
m-Xylene & p-Xylene	0.00866	*+	0.00401		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
o-Xylene	0.00457	*+	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Xylenes, Total	0.0132	*+	0.00401		mg/Kg		05/12/23 13:23	05/13/23 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	05/12/23 13:23	05/13/23 05:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/23 13:23	05/13/23 05:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0153		0.00401		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/12/23 16:36	05/13/23 02:45	1
o-Terphenyl	131	S1+	70 - 130	05/12/23 16:36	05/13/23 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.02		mg/Kg			05/15/23 13:54	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-28369-38

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	33.2		1.98		mg/Kg		05/12/23 13:23	05/13/23 07:10	1000
Toluene	225	*+	9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
Ethylbenzene	154	*+	9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
m-Xylene & p-Xylene	401		20.0		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
o-Xylene	129		9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
Xylenes, Total	530		20.0		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	05/12/23 13:23	05/13/23 07:10	1000
1,4-Difluorobenzene (Surr)	108		70 - 130	05/12/23 13:23	05/13/23 07:10	1000

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-28369-38

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	942		20.0		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22300		249		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2790		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Diesel Range Organics (Over C10-C28)	17400		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Oil Range Organics (Over C28-C36)	2120		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	285	S1+	70 - 130				05/12/23 16:36	05/13/23 03:28	5
o-Terphenyl	434	S1+	70 - 130				05/12/23 16:36	05/13/23 03:28	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21500		251		mg/Kg			05/15/23 14:00	50

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-28369-39

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.560		0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Toluene	26.4		0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Ethylbenzene	19.3	*+	0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
m-Xylene & p-Xylene	39.0	*+	0.398		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
o-Xylene	13.0	*+	0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Xylenes, Total	52.0	*+	0.398		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				05/12/23 13:23	05/13/23 07:31	100
1,4-Difluorobenzene (Surr)	98		70 - 130				05/12/23 13:23	05/13/23 07:31	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	98.3		0.398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2530		50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	634		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-28369-39

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	1730		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1
Oil Range Organics (Over C28-C36)	167		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/12/23 16:36	05/13/23 05:17	1
o-Terphenyl	108		70 - 130				05/12/23 16:36	05/13/23 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750		49.7		mg/Kg			05/15/23 14:16	10

Client Sample ID: S-10 (2')

Lab Sample ID: 880-28369-40

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0501	U *+	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Toluene	0.696	*+	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Ethylbenzene	1.01	*+	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
m-Xylene & p-Xylene	2.56		0.100		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
o-Xylene	0.795		0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Xylenes, Total	3.36		0.100		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166085	S1+	70 - 130				05/12/23 13:23	05/13/23 07:52	20
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				05/12/23 13:23	05/13/23 07:52	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	5.06		0.100		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	534		50.0		mg/Kg			05/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	109		50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Diesel Range Organics (Over C10-C28)	425		50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/12/23 16:36	05/13/23 03:07	1
o-Terphenyl	107		70 - 130				05/12/23 16:36	05/13/23 03:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5290		50.3		mg/Kg			05/15/23 14:21	10

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-10 (3')

Lab Sample ID: 880-28369-41

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Toluene	0.0243		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Ethylbenzene	0.0158		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
m-Xylene & p-Xylene	0.0471		0.00402		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
o-Xylene	0.0182		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Xylenes, Total	0.0653		0.00402		mg/Kg		05/12/23 13:24	05/13/23 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/12/23 13:24	05/13/23 10:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/12/23 13:24	05/13/23 10:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.105		0.00402		mg/Kg			05/15/23 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			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	05/12/23 21:01	05/13/23 11:00	1
o-Terphenyl	142	S1+	70 - 130	05/12/23 21:01	05/13/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		24.9		mg/Kg			05/15/23 14:26	5

Client Sample ID: S-10 (4')

Lab Sample ID: 880-28369-42

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Toluene	0.00824		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Ethylbenzene	0.00538		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
m-Xylene & p-Xylene	0.0153		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
o-Xylene	0.00673		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Xylenes, Total	0.0220		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/12/23 13:24	05/13/23 10:28	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/12/23 13:24	05/13/23 10:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-10 (4')      Lab Sample ID: 880-28369-42  
Date Collected: 05/11/23 00:00      Matrix: Solid  
Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.0357		0.00398		mg/Kg			05/15/23 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			05/15/23 16:23	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1	
C10-C28)										
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				05/12/23 21:01	05/13/23 12:06	1	
o-Terphenyl	145	S1+	70 - 130				05/12/23 21:01	05/13/23 12:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2340		24.8		mg/Kg			05/15/23 14:32	5	

Client Sample ID: S-11 (0-1')      Lab Sample ID: 880-28369-43  
Date Collected: 05/11/23 00:00      Matrix: Solid  
Date Received: 05/12/23 12:40

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	0.00239		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
Toluene	0.0443		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
Ethylbenzene	0.0576		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
m-Xylene & p-Xylene	0.171		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
o-Xylene	0.0950		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
Xylenes, Total	0.266		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:49	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130				05/12/23 13:24	05/13/23 10:49	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				05/12/23 13:24	05/13/23 10:49	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.370		0.00398		mg/Kg			05/15/23 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	31000		500		mg/Kg			05/15/23 16:23	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	1480		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10	
Diesel Range Organics (Over C10-C28)	26100		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10	

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-28369-43

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	3380		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	254	S1+	70 - 130				05/12/23 21:01	05/13/23 17:09	10
o-Terphenyl	562	S1+	70 - 130				05/12/23 21:01	05/13/23 17:09	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3690		50.3		mg/Kg			05/15/23 14:37	10

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-28369-44

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Toluene	0.00572		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Ethylbenzene	0.00358		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
m-Xylene & p-Xylene	0.00501		0.00399		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
o-Xylene	0.124		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Xylenes, Total	0.129		0.00399		mg/Kg		05/12/23 13:24	05/13/23 11:09	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				05/12/23 13:24	05/13/23 11:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/12/23 13:24	05/13/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.138		0.00399		mg/Kg			05/15/23 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	639		49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	1
Diesel Range Organics (Over C10-C28)	570		49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	1
Oil Range Organics (Over C28-C36)	68.8		49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	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	138	S1+	70 - 130				05/12/23 21:01	05/13/23 12:28	1
o-Terphenyl	148	S1+	70 - 130				05/12/23 21:01	05/13/23 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		25.0		mg/Kg			05/15/23 14:42	5

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-28369-45

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.32		0.101		mg/Kg		05/12/23 13:24	05/13/23 11:30	50
Toluene	89.2		0.504		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
Ethylbenzene	53.4	++	0.498		mg/Kg		05/16/23 14:29	05/16/23 18:07	250
m-Xylene & p-Xylene	120		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
o-Xylene	35.0		0.504		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
Xylenes, Total	155		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:05	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	276	S1+	70 - 130	05/12/23 13:24	05/13/23 11:30	50
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:24	05/13/23 11:30	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	300		1.01		mg/Kg			05/15/23 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	13200		250		mg/Kg			05/15/23 16:23	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	2840		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5
Diesel Range Organics (Over C10-C28)	9260		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5
Oil Range Organics (Over C28-C36)	1050		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	197	S1+	70 - 130	05/12/23 21:01	05/13/23 17:30	5
o-Terphenyl	187	S1+	70 - 130	05/12/23 21:01	05/13/23 17:30	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3980		24.9		mg/Kg			05/15/23 14:48	5

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-28369-46

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.48		0.101		mg/Kg		05/12/23 13:24	05/13/23 11:51	50
Toluene	88.5		0.499		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
Ethylbenzene	52.8	++	0.497		mg/Kg		05/16/23 14:29	05/16/23 18:28	250
m-Xylene & p-Xylene	103		0.998		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
o-Xylene	29.5		0.499		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
Xylenes, Total	133		0.998		mg/Kg		05/12/23 14:20	05/15/23 17:25	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	272	S1+	70 - 130	05/12/23 13:24	05/13/23 11:51	50
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:24	05/13/23 11:51	50

Eurofins Midland



Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-12 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-46  
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	276		0.998		mg/Kg			05/15/23 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	6330		49.8		mg/Kg			05/15/23 16:23	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	1660		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Diesel Range Organics (Over C10-C28)	4210		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Oil Range Organics (Over C28-C36)	461		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				05/12/23 21:01	05/13/23 18:33	1
o-Terphenyl	131	S1+	70 - 130				05/12/23 21:01	05/13/23 18:33	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5580		49.6		mg/Kg			05/15/23 18:39	10

Client Sample ID: S-12 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-47  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.167		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Toluene	3.42		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Ethylbenzene	3.38		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
m-Xylene & p-Xylene	7.02		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
o-Xylene	3.79		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Xylenes, Total	10.8		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				05/12/23 13:24	05/13/23 12:11	50
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:24	05/13/23 12:11	50
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	17.8		0.199		mg/Kg			05/15/23 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	2020		49.9		mg/Kg			05/15/23 16:23	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	140		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-12 (2')

Lab Sample ID: 880-28369-47

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	1620		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1
Oil Range Organics (Over C28-C36)	256		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				05/12/23 21:01	05/13/23 18:54	1
o-Terphenyl	132	S1+	70 - 130				05/12/23 21:01	05/13/23 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6180		49.9		mg/Kg			05/15/23 18:55	10

Client Sample ID: S-12 (3')

Lab Sample ID: 880-28369-48

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0994	U	0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Toluene	0.886		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Ethylbenzene	0.813		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
m-Xylene & p-Xylene	1.83		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
o-Xylene	1.05		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Xylenes, Total	2.88		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/12/23 13:24	05/13/23 12:32	50
1,4-Difluorobenzene (Surr)	94		70 - 130				05/12/23 13:24	05/13/23 12:32	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.58		0.199		mg/Kg			05/15/23 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	781		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Diesel Range Organics (Over C10-C28)	688		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Oil Range Organics (Over C28-C36)	92.7		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				05/12/23 21:01	05/13/23 13:12	1
o-Terphenyl	140	S1+	70 - 130				05/12/23 21:01	05/13/23 13:12	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-12 (3')

Lab Sample ID: 880-28369-48

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6460		50.2		mg/Kg			05/15/23 19:01	10

Client Sample ID: S-12 (4')

Lab Sample ID: 880-28369-49

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0998	U	0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Toluene	0.309		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Ethylbenzene	0.216		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
m-Xylene & p-Xylene	0.491		0.200		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
o-Xylene	0.209		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Xylenes, Total	0.700		0.200		mg/Kg		05/12/23 13:24	05/13/23 12:52	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/12/23 13:24	05/13/23 12:52	50
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:24	05/13/23 12:52	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.23		0.200		mg/Kg			05/15/23 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	375		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1
Diesel Range Organics (Over C10-C28)	375		50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	05/12/23 21:01	05/13/23 12:50	1
o-Terphenyl	130		70 - 130	05/12/23 21:01	05/13/23 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6810		50.3		mg/Kg			05/15/23 19:06	10

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-28369-50

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.118		0.0990		mg/Kg		05/12/23 13:24	05/13/23 13:13	50
Toluene	20.4		0.503		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
Ethylbenzene	24.3	+	0.503		mg/Kg		05/16/23 14:29	05/16/23 18:48	250

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-28369-50

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	67.2		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
o-Xylene	21.6		0.503		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
Xylenes, Total	88.8		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:45	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	284	S1+	70 - 130	05/12/23 13:24	05/13/23 13:13	50
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:24	05/13/23 13:13	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	134		1.01		mg/Kg			05/15/23 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	6640		49.8		mg/Kg			05/15/23 16:23	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	1190		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1
Diesel Range Organics (Over C10-C28)	4910		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1
Oil Range Organics (Over C28-C36)	537		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130	05/12/23 21:01	05/13/23 18:12	1
o-Terphenyl	131	S1+	70 - 130	05/12/23 21:01	05/13/23 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1950		24.9		mg/Kg			05/15/23 19:11	5

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-28369-51

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Toluene	0.00396		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Ethylbenzene	0.00500		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
m-Xylene & p-Xylene	0.0115		0.00401		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
o-Xylene	0.00595		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Xylenes, Total	0.0175		0.00401		mg/Kg		05/12/23 13:24	05/13/23 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/12/23 13:24	05/13/23 14:36	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:24	05/13/23 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0264		0.00401		mg/Kg			05/15/23 17:08	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-28369-51

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	211		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Diesel Range Organics (Over C10-C28)	211		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:01	05/13/23 13:34	1
o-Terphenyl	144	S1+	70 - 130				05/12/23 21:01	05/13/23 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		4.99		mg/Kg			05/15/23 19:27	1

Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Toluene	0.00645		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Ethylbenzene	0.00730		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
m-Xylene & p-Xylene	0.0153		0.00398		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
o-Xylene	0.0115		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Xylenes, Total	0.0268		0.00398		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/12/23 13:24	05/13/23 14:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0406		0.00398		mg/Kg			05/15/23 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	153		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Diesel Range Organics (Over C10-C28)	153		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/12/23 21:01	05/13/23 13:55	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	142	S1+	70 - 130	05/12/23 21:01	05/13/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		4.99		mg/Kg			05/15/23 19:33	1

## Client Sample ID: S-13 (3')

Lab Sample ID: 880-28369-53

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Toluene	0.00239		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Ethylbenzene	0.00255		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
m-Xylene & p-Xylene	0.00562		0.00398		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
o-Xylene	0.00859		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Xylenes, Total	0.0142		0.00398		mg/Kg		05/12/23 13:24	05/13/23 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:24	05/13/23 15:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/12/23 13:24	05/13/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0192		0.00398		mg/Kg			05/15/23 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	90.6		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1
Diesel Range Organics (Over C10-C28)	90.6		50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	05/12/23 21:01	05/13/23 14:17	1
<i>o</i> -Terphenyl	159	S1+	70 - 130	05/12/23 21:01	05/13/23 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.00		mg/Kg			05/15/23 19:38	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-13 (4')

Lab Sample ID: 880-28369-54

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Toluene	0.00314		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Ethylbenzene	0.00227		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
m-Xylene & p-Xylene	0.00470		0.00399		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
o-Xylene	0.00236		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Xylenes, Total	0.00706		0.00399		mg/Kg		05/12/23 13:24	05/13/23 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:24	05/13/23 15:38	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/12/23 13:24	05/13/23 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0125		0.00399		mg/Kg			05/15/23 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	59.4		49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1
Diesel Range Organics (Over C10-C28)	59.4		49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	05/12/23 21:01	05/13/23 14:38	1
o-Terphenyl	154	S1+	70 - 130	05/12/23 21:01	05/13/23 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.01		mg/Kg			05/15/23 19:43	1

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Toluene	0.00336		0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
o-Xylene	0.00268		0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:24	05/13/23 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/12/23 13:24	05/13/23 15:58	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/12/23 13:24	05/13/23 15:58	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00604		0.00402		mg/Kg			05/15/23 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	53.5		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Diesel Range Organics (Over C10-C28)	53.5		50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/12/23 21:01	05/13/23 15:00	1
o-Terphenyl	142	S1+	70 - 130				05/12/23 21:01	05/13/23 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		50.4		mg/Kg			05/15/23 19:49	10

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Toluene	0.00268		0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:24	05/13/23 16:19	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130				05/12/23 13:24	05/13/23 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/15/23 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			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/12/23 21:01	05/13/23 15:44	1
o-Terphenyl	134	S1+	70 - 130				05/12/23 21:01	05/13/23 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4770		49.8		mg/Kg			05/15/23 19:54	10

Client Sample ID: S-14 (2')

Lab Sample ID: 880-28369-57

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:24	05/13/23 16:39	1
1,4-Difluorobenzene (Surr)	73		70 - 130				05/12/23 13:24	05/13/23 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/12/23 21:01	05/13/23 16:05	1
o-Terphenyl	138	S1+	70 - 130				05/12/23 21:01	05/13/23 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500		25.1		mg/Kg			05/15/23 20:10	5

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-14 (3')

Lab Sample ID: 880-28369-58

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/23 13:24	05/13/23 17:00	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/12/23 13:24	05/13/23 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 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			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	05/12/23 21:01	05/13/23 16:27	1
o-Terphenyl	146	S1+	70 - 130	05/12/23 21:01	05/13/23 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2660		24.8		mg/Kg			05/15/23 20:16	5

Client Sample ID: S-14 (4')

Lab Sample ID: 880-28369-59

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:24	05/13/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/12/23 13:24	05/13/23 17:20	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130	05/12/23 13:24	05/13/23 17:20	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-14 (4')

Lab Sample ID: 880-28369-59

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 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	<49.8	U	49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/23 21:01	05/13/23 16:48	1
o-Terphenyl	145	S1+	70 - 130				05/12/23 21:01	05/13/23 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.96		mg/Kg			05/15/23 20:32	1

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-28369-60

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0990	U	0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Toluene	0.520		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Ethylbenzene	2.43		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
m-Xylene & p-Xylene	7.00		0.198		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
o-Xylene	3.62		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Xylenes, Total	10.6		0.198		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130				05/12/23 13:24	05/13/23 17:40	50
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 17:40	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.6		0.198		mg/Kg			05/15/23 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	21400		499		mg/Kg			05/15/23 16:23	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	<499	U	499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10
Diesel Range Organics (Over C10-C28)	19000		499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-28369-60

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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)	2370		499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130				05/12/23 21:01	05/13/23 17:51	10
o-Terphenyl	406	S1+	70 - 130				05/12/23 21:01	05/13/23 17:51	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860		25.0		mg/Kg			05/15/23 20:37	5

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-28369-61

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Toluene	0.00636		0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Ethylbenzene	0.00858	**	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
m-Xylene & p-Xylene	0.0170	**	0.00396		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
o-Xylene	0.0135	**	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Xylenes, Total	0.0305	**	0.00396		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/12/23 13:15	05/15/23 11:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:15	05/15/23 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0454		0.00396		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.4		49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Diesel Range Organics (Over C10-C28)	64.4		49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/12/23 21:28	05/13/23 17:45	1
o-Terphenyl	99		70 - 130				05/12/23 21:28	05/13/23 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7040		50.4		mg/Kg			05/15/23 20:42	10

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-15 (2')

Lab Sample ID: 880-28369-62

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Toluene	0.00406		0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Ethylbenzene	0.00308	**	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
m-Xylene & p-Xylene	0.00751	**	0.00402		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
o-Xylene	0.00483	**	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Xylenes, Total	0.0123	**	0.00402		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/12/23 13:15	05/15/23 11:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130				05/12/23 13:15	05/15/23 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0195		0.00402		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.7		49.9		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1
Diesel Range Organics (Over C10-C28)	74.7		49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				05/15/23 12:47	05/15/23 22:17	1
o-Terphenyl	99		70 - 130				05/15/23 12:47	05/15/23 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6200		50.5		mg/Kg			05/15/23 20:48	10

Client Sample ID: S-15 (3')

Lab Sample ID: 880-28369-63

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Toluene	0.00856		0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Ethylbenzene	0.00900	**	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
m-Xylene & p-Xylene	0.0151	**	0.00404		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
o-Xylene	0.00520	**	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Xylenes, Total	0.0203	**	0.00404		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/12/23 13:15	05/15/23 12:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/12/23 13:15	05/15/23 12:15	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-15 (3')

Lab Sample ID: 880-28369-63

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0379		0.00404		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/15/23 12:47	05/15/23 22:39	1
o-Terphenyl	97		70 - 130				05/15/23 12:47	05/15/23 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5440		49.9		mg/Kg			05/15/23 20:53	10

Client Sample ID: S-15 (4')

Lab Sample ID: 880-28369-64

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Toluene	0.00549		0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Ethylbenzene	0.00309	**	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
m-Xylene & p-Xylene	0.00671	**	0.00398		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
o-Xylene	0.00225	**	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Xylenes, Total	0.00896	**	0.00398		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/12/23 13:15	05/15/23 12:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/12/23 13:15	05/15/23 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0175		0.00398		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/14/23 04:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/14/23 04:29	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-15 (4')

Lab Sample ID: 880-28369-64

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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		05/12/23 21:11	05/14/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/12/23 21:11	05/14/23 04:29	1
o-Terphenyl	149	S1+	70 - 130				05/12/23 21:11	05/14/23 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5770		50.5		mg/Kg			05/15/23 20:58	10

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-28369-65

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U *	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Toluene	7.16		0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Ethylbenzene	10.8	+	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
m-Xylene & p-Xylene	25.2	+	0.398		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
o-Xylene	10.3	+	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Xylenes, Total	35.5	+	0.398		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				05/12/23 13:15	05/15/23 13:16	100
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:15	05/15/23 13:16	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	53.5		0.398		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16000		500		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	986		500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Diesel Range Organics (Over C10-C28)	15000		500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Oil Range Organics (Over C28-C36)	<500	U	500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				05/15/23 12:47	05/15/23 23:00	10
o-Terphenyl	219	S1+	70 - 130				05/15/23 12:47	05/15/23 23:00	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9640		100		mg/Kg			05/15/23 21:04	20

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-28369-66

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.513	*+	0.200		mg/Kg		05/12/23 13:15	05/15/23 13:37	100
Toluene	64.1	*+	2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
Ethylbenzene	59.3	*+	2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
m-Xylene & p-Xylene	164		4.04		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
o-Xylene	52.7		2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
Xylenes, Total	217		4.04		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	269	S1+	70 - 130	05/12/23 13:15	05/15/23 13:37	100
1,4-Difluorobenzene (Surr)	99		70 - 130	05/12/23 13:15	05/15/23 13:37	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	341		4.04		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8940		250		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3130		250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5
Diesel Range Organics (Over C10-C28)	5810		250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130	05/15/23 12:47	05/15/23 23:22	5
o-Terphenyl	90		70 - 130	05/15/23 12:47	05/15/23 23:22	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	565		4.99		mg/Kg			05/16/23 02:05	1

Client Sample ID: S-16 (2')

Lab Sample ID: 880-28369-67

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.420	*+	0.201		mg/Kg		05/12/23 13:15	05/15/23 13:57	100
Toluene	41.9	*+	2.00		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
Ethylbenzene	42.9	*+	2.00		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
m-Xylene & p-Xylene	115		3.99		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
o-Xylene	36.7	*+	0.201		mg/Kg		05/12/23 13:15	05/15/23 13:57	100
Xylenes, Total	152		3.99		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130	05/12/23 13:15	05/15/23 13:57	100
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:15	05/15/23 13:57	100

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-16 (2')

Lab Sample ID: 880-28369-67

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	237		3.99		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6250		250		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2370		250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Diesel Range Organics (Over C10-C28)	3880		250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				05/15/23 12:47	05/15/23 23:43	5
o-Terphenyl	92		70 - 130				05/15/23 12:47	05/15/23 23:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117	F1	4.95		mg/Kg			05/16/23 02:10	1

Client Sample ID: S-16 (3')

Lab Sample ID: 880-28369-68

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0574	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Toluene	0.557		0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Ethylbenzene	0.407	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
m-Xylene & p-Xylene	0.710	*+	0.0805		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
o-Xylene	0.463	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Xylenes, Total	1.17	*+	0.0805		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				05/12/23 13:15	05/15/23 14:18	20
1,4-Difluorobenzene (Surr)	119		70 - 130				05/12/23 13:15	05/15/23 14:18	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.19		0.0805		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	290		49.8		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	59.8		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1
Diesel Range Organics (Over C10-C28)	230		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-28369-68

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				05/15/23 12:47	05/16/23 00:05	1
o-Terphenyl	97		70 - 130				05/15/23 12:47	05/16/23 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.03		mg/Kg			05/16/23 02:26	1

Client Sample ID: S-16 (4')

Lab Sample ID: 880-28369-69

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Toluene	0.00308		0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Ethylbenzene	0.00309	+	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
m-Xylene & p-Xylene	0.00653	+	0.00401		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
o-Xylene	0.00393	+	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Xylenes, Total	0.0105	+	0.00401		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/12/23 13:15	05/15/23 12:56	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/12/23 13:15	05/15/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0166		0.00401		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.2		49.8		mg/Kg			05/16/23 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Diesel Range Organics (Over C10-C28)	65.2		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				05/15/23 12:47	05/16/23 00:26	1
o-Terphenyl	99		70 - 130				05/15/23 12:47	05/16/23 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.2		5.02		mg/Kg			05/16/23 02:31	1

Eurofins Midland

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## 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)
880-28369-1	S-1 (0-1')	91	92
880-28369-1 MS	S-1 (0-1')	101	96
880-28369-1 MSD	S-1 (0-1')	99	104
880-28369-2	S-1 (1.5')	100	98
880-28369-3	S-1 (2')	107	109
880-28369-4	S-1 (3')	99	109
880-28369-5	S-2 (0-1')	98	96
880-28369-6	S-2 (1.5')	110	108
880-28369-7	S-2 (2')	125	116
880-28369-8	S-2 (3')	107	99
880-28369-9	S-3 (0-1')	109	107
880-28369-10	S-3 (1.5')	146 S1+	118
880-28369-11	S-3 (2')	95	99
880-28369-12	S-3 (3')	107	106
880-28369-13	S-3 (4')	107	109
880-28369-14	S-4 (0-1')	124	109
880-28369-15	S-4 (1.5')	121	106
880-28369-16	S-4 (2')	111	105
880-28369-17	S-4 (3')	119	105
880-28369-18	S-4 (4')	199 S1+	115
880-28369-19	S-5 (0-1')	119	104
880-28369-20	S-5 (1.5')	116	100
880-28369-21	S-5 (2')	115	97
880-28369-21 MS	S-5 (2')	107	113
880-28369-21 MSD	S-5 (2')	113	96
880-28369-22	S-5 (3')	111	105
880-28369-23	S-6 (0-1')	78	90
880-28369-23 MS	S-6 (0-1')	93	99
880-28369-23 MSD	S-6 (0-1')	99	94
880-28369-24	S-6 (1.5')	97	107
880-28369-25	S-6 (2')	139 S1+	100
880-28369-26	S-6 (3')	121	95
880-28369-27	S-7 (0-1')	122	107
880-28369-28	S-7 (1.5')	90	96
880-28369-29	S-8 (0-1')	98	106
880-28369-30	S-8 (1.5')	146 S1+	110
880-28369-31	S-8 (2')	132 S1+	93
880-28369-32	S-8 (3')	99	110
880-28369-33	S-9 (0-1')	132 S1+	96
880-28369-34	S-9 (1.5')	171 S1+	98
880-28369-35	S-9 (2')	113	103
880-28369-36	S-9 (3')	146 S1+	0.04 S1-
880-28369-37	S-9 (4')	127	100
880-28369-38	S-10 (0-1')	152 S1+	108
880-28369-39	S-10 (1.5')	124	98
880-28369-40	S-10 (2')	166085 S1+	58 S1-
880-28369-41	S-10 (3')	107	92
880-28369-41 MS	S-10 (3')	111	104
880-28369-41 MSD	S-10 (3')	110	101

Eurofins Midland

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-28369-42	S-10 (4')	101	77
880-28369-43	S-11 (0-1')	175 S1+	92
880-28369-44	S-11 (1.5')	133 S1+	105
880-28369-45	S-12 (0-1')	276 S1+	106
880-28369-46	S-12 (1.5')	272 S1+	98
880-28369-47	S-12 (2')	162 S1+	107
880-28369-48	S-12 (3')	115	94
880-28369-49	S-12 (4')	121	95
880-28369-50	S-13 (0-1')	284 S1+	95
880-28369-51	S-13 (1.5')	82	107
880-28369-52	S-13 (2')	106	90
880-28369-53	S-13 (3')	115	87
880-28369-54	S-13 (4')	115	84
880-28369-55	S-14 (0-1')	102	84
880-28369-56	S-14 (1.5')	99	61 S1-
880-28369-57	S-14 (2')	97	73
880-28369-58	S-14 (3')	95	74
880-28369-59	S-14 (4')	97	60 S1-
880-28369-60	S-15 (0-1')	199 S1+	90
880-28369-61	S-15 (1.5')	108	99
880-28369-61 MS	S-15 (1.5')	106	103
880-28369-61 MSD	S-15 (1.5')	112	106
880-28369-62	S-15 (2')	106	84
880-28369-63	S-15 (3')	115	85
880-28369-64	S-15 (4')	103	87
880-28369-65	S-16 (0-1')	152 S1+	90
880-28369-66	S-16 (1.5')	269 S1+	99
880-28369-67	S-16 (2')	225 S1+	95
880-28369-68	S-16 (3')	137 S1+	119
880-28369-69	S-16 (4')	110	85
890-4652-A-27-D MS	Matrix Spike	100	112
890-4652-A-27-E MSD	Matrix Spike Duplicate	94	118
890-4657-A-5-B MS	Matrix Spike	104	103
890-4657-A-5-C MSD	Matrix Spike Duplicate	108	99
LCS 880-53242/1-A	Lab Control Sample	105	104
LCS 880-53263/1-A	Lab Control Sample	98	120
LCS 880-53264/1-A	Lab Control Sample	127	105
LCS 880-53265/1-A	Lab Control Sample	104	103
LCS 880-53272/1-A	Lab Control Sample	94	104
LCS 880-53384/1-A	Lab Control Sample	98	110
LCS 880-53491/1-A	Lab Control Sample	106	115
LCSD 880-53242/2-A	Lab Control Sample Dup	107	102
LCSD 880-53263/2-A	Lab Control Sample Dup	101	133 S1+
LCSD 880-53264/2-A	Lab Control Sample Dup	112	102
LCSD 880-53265/2-A	Lab Control Sample Dup	110	96
LCSD 880-53272/2-A	Lab Control Sample Dup	89	108
LCSD 880-53384/2-A	Lab Control Sample Dup	94	124
LCSD 880-53491/2-A	Lab Control Sample Dup	103	124
MB 880-53202/5-A	Method Blank	94	101
MB 880-53203/5-A	Method Blank	66 S1-	88

Eurofins Midland



Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-53242/5-B	Method Blank	67 S1-	94
MB 880-53263/5-A	Method Blank	97	108
MB 880-53264/5-A	Method Blank	95	102
MB 880-53265/5-A	Method Blank	67 S1-	90
MB 880-53272/5-A	Method Blank	93	103
MB 880-53384/5-A	Method Blank	93	103
MB 880-53491/5-A	Method Blank	98	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28368-A-1-H MS	Matrix Spike	93	78
880-28368-A-1-I MSD	Matrix Spike Duplicate	91	80
880-28369-1	S-1 (0-1')	93	68 S1-
880-28369-1 MS	S-1 (0-1')	84	58 S1-
880-28369-1 MSD	S-1 (0-1')	88	60 S1-
880-28369-2	S-1 (1.5')	97	72
880-28369-3	S-1 (2')	101	75
880-28369-4	S-1 (3')	104	77
880-28369-5	S-2 (0-1')	105	78
880-28369-6	S-2 (1.5')	191 S1+	143 S1+
880-28369-7	S-2 (2')	102	77
880-28369-8	S-2 (3')	108	81
880-28369-9	S-3 (0-1')	87	62 S1-
880-28369-10	S-3 (1.5')	102	76
880-28369-11	S-3 (2')	111	83
880-28369-12	S-3 (3')	124	92
880-28369-13	S-3 (4')	109	82
880-28369-14	S-4 (0-1')	91	65 S1-
880-28369-15	S-4 (1.5')	109	81
880-28369-16	S-4 (2')	108	82
880-28369-17	S-4 (3')	104	78
880-28369-18	S-4 (4')	110	83
880-28369-19	S-5 (0-1')	92	67 S1-
880-28369-20	S-5 (1.5')	102	75
880-28369-21	S-5 (2')	101	115
880-28369-21 MS	S-5 (2')	82	82
880-28369-21 MSD	S-5 (2')	97	97
880-28369-22	S-5 (3')	96	105
880-28369-23	S-6 (0-1')	86	94
880-28369-24	S-6 (1.5')	105	113
880-28369-25	S-6 (2')	96	105
880-28369-26	S-6 (3')	116	126
880-28369-27	S-7 (0-1')	115	120

Eurofins Midland

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## 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)
880-28369-28	S-7 (1.5')	99	109
880-28369-29	S-8 (0-1')	108	115
880-28369-30	S-8 (1.5')	96	106
880-28369-31	S-8 (2')	119	130
880-28369-32	S-8 (3')	103	114
880-28369-33	S-9 (0-1')	119	214 S1+
880-28369-34	S-9 (1.5')	121	109
880-28369-35	S-9 (2')	98	108
880-28369-36	S-9 (3')	102	111
880-28369-37	S-9 (4')	119	131 S1+
880-28369-38	S-10 (0-1')	285 S1+	434 S1+
880-28369-39	S-10 (1.5')	110	108
880-28369-40	S-10 (2')	99	107
880-28369-41	S-10 (3')	117	142 S1+
880-28369-41 MS	S-10 (3')	112	118
880-28369-41 MSD	S-10 (3')	126	126
880-28369-42	S-10 (4')	121	145 S1+
880-28369-43	S-11 (0-1')	254 S1+	562 S1+
880-28369-44	S-11 (1.5')	138 S1+	148 S1+
880-28369-45	S-12 (0-1')	197 S1+	187 S1+
880-28369-46	S-12 (1.5')	152 S1+	131 S1+
880-28369-47	S-12 (2')	135 S1+	132 S1+
880-28369-48	S-12 (3')	130	140 S1+
880-28369-49	S-12 (4')	112	130
880-28369-50	S-13 (0-1')	151 S1+	131 S1+
880-28369-51	S-13 (1.5')	122	144 S1+
880-28369-52	S-13 (2')	121	142 S1+
880-28369-53	S-13 (3')	140 S1+	159 S1+
880-28369-54	S-13 (4')	136 S1+	154 S1+
880-28369-55	S-14 (0-1')	120	142 S1+
880-28369-56	S-14 (1.5')	113	134 S1+
880-28369-57	S-14 (2')	116	138 S1+
880-28369-58	S-14 (3')	118	146 S1+
880-28369-59	S-14 (4')	119	145 S1+
880-28369-60	S-15 (0-1')	177 S1+	406 S1+
880-28369-61	S-15 (1.5')	106	99
880-28369-62	S-15 (2')	127	99
880-28369-63	S-15 (3')	125	97
880-28369-64	S-15 (4')	124	149 S1+
880-28369-65	S-16 (0-1')	147 S1+	219 S1+
880-28369-66	S-16 (1.5')	172 S1+	90
880-28369-67	S-16 (2')	153 S1+	92
880-28369-68	S-16 (3')	127	97
880-28369-69	S-16 (4')	128	99
880-28372-A-21-E MS	Matrix Spike	117	126
880-28372-A-21-F MSD	Matrix Spike Duplicate	120	129
890-4651-A-1-E MS	Matrix Spike	121	88
890-4651-A-1-F MSD	Matrix Spike Duplicate	125	90
LCS 880-53288/2-A	Lab Control Sample	93	108
LCS 880-53289/2-A	Lab Control Sample	99	76

Eurofins Midland

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## 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)
LCS 880-53304/2-A	Lab Control Sample	109	125
LCS 880-53306/2-A	Lab Control Sample	96	112
LCS 880-53307/2-A	Lab Control Sample	108	100
LCS 880-53379/2-A	Lab Control Sample	108	86
LCSD 880-53288/3-A	Lab Control Sample Dup	100	111
LCSD 880-53289/3-A	Lab Control Sample Dup	101	77
LCSD 880-53304/3-A	Lab Control Sample Dup	112	132 S1+
LCSD 880-53306/3-A	Lab Control Sample Dup	126	144 S1+
LCSD 880-53307/3-A	Lab Control Sample Dup	105	92
LCSD 880-53379/3-A	Lab Control Sample Dup	113	88
MB 880-53288/1-A	Method Blank	129	152 S1+
MB 880-53289/1-A	Method Blank	135 S1+	108
MB 880-53304/1-A	Method Blank	136 S1+	168 S1+
MB 880-53306/1-A	Method Blank	143 S1+	175 S1+
MB 880-53307/1-A	Method Blank	122	125
MB 880-53379/1-A	Method Blank	177 S1+	144 S1+

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53202/5-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 09:27	05/12/23 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/23 09:27	05/12/23 11:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/12/23 09:27	05/12/23 11:49	1

Lab Sample ID: MB 880-53203/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 09:43	05/12/23 23:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/12/23 09:43	05/12/23 23:10	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/12/23 09:43	05/12/23 23:10	1

Lab Sample ID: MB 880-53242/5-B

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:15	05/15/23 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	05/12/23 13:15	05/15/23 11:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/12/23 13:15	05/15/23 11:12	1

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53242/1-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1317	*+	mg/Kg		132	70 - 130
Toluene	0.100	0.1248		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1303		mg/Kg		130	70 - 130
m-Xylene & p-Xylene	0.200	0.2638	*+	mg/Kg		132	70 - 130
o-Xylene	0.100	0.1289		mg/Kg		129	70 - 130

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

Lab Sample ID: LCSD 880-53242/2-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1323	*+	mg/Kg		132	70 - 130	0	35
Toluene	0.100	0.1252		mg/Kg		125	70 - 130	0	35
Ethylbenzene	0.100	0.1329	*+	mg/Kg		133	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2687	*+	mg/Kg		134	70 - 130	2	35
o-Xylene	0.100	0.1319	*+	mg/Kg		132	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-28369-61 MS

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U *+	0.0998	0.1270		mg/Kg		127	70 - 130
Toluene	0.00636		0.0998	0.1124		mg/Kg		106	70 - 130
Ethylbenzene	0.00858	*+	0.0998	0.1035		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.0170	*+	0.200	0.2072		mg/Kg		95	70 - 130
o-Xylene	0.0135	*+	0.0998	0.1073		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28369-61 MSD

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U *+	0.100	0.1246		mg/Kg		124	70 - 130	2	35
Toluene	0.00636		0.100	0.1116		mg/Kg		105	70 - 130	1	35
Ethylbenzene	0.00858	*+	0.100	0.1065		mg/Kg		98	70 - 130	3	35

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-61 MSD

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.0170	*+	0.200	0.1981		mg/Kg		90	70 - 130	4	35
o-Xylene	0.0135	*+	0.100	0.1191		mg/Kg		105	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: MB 880-53263/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:21	05/12/23 16:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/12/23 13:21	05/12/23 16:59	1

Lab Sample ID: LCS 880-53263/1-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1470	*+	mg/Kg		147	70 - 130
Toluene	0.100	0.1247		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		70 - 130				
1,4-Difluorobenzene (Surr)	120		70 - 130				

Lab Sample ID: LCSD 880-53263/2-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1348	*+	mg/Kg		135	70 - 130	9	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	18	35
Ethylbenzene	0.100	0.09892		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	5	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-28369-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U **	0.0998	0.1011		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.0998	0.1085		mg/Kg		109	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1969		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09435		mg/Kg		95	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-28369-1 MSD

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U **	0.100	0.1195		mg/Kg		119	70 - 130	17	35
Toluene	<0.00201	U	0.100	0.1090		mg/Kg		109	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1008		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2112		mg/Kg		105	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130	6	35

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

Lab Sample ID: MB 880-53264/5-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:23	05/12/23 23:52	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/23 13:23	05/12/23 23:52	1			
1,4-Difluorobenzene (Surr)	102		70 - 130	05/12/23 13:23	05/12/23 23:52	1			

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53264/1-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1290		mg/Kg		129	70 - 130
Ethylbenzene	0.100	0.1370	*+	mg/Kg		137	70 - 130
m-Xylene & p-Xylene	0.200	0.3006	*+	mg/Kg		150	70 - 130
o-Xylene	0.100	0.1458	*+	mg/Kg		146	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-53264/2-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1204		mg/Kg		120	70 - 130	6	35
Toluene	0.100	0.1235		mg/Kg		123	70 - 130	4	35
Ethylbenzene	0.100	0.1244		mg/Kg		124	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2576		mg/Kg		129	70 - 130	15	35
o-Xylene	0.100	0.1244		mg/Kg		124	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-28369-21 MS

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0990	0.06353	F1	mg/Kg		64	70 - 130
Toluene	<0.00201	U	0.0990	0.07934		mg/Kg		80	70 - 130
Ethylbenzene	<0.00201	U *+	0.0990	0.08625		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+	0.198	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U *+	0.0990	0.08647		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.08369		mg/Kg		84	70 - 130	27	35
Toluene	<0.00201	U	0.0996	0.08791		mg/Kg		88	70 - 130	10	35
Ethylbenzene	<0.00201	U *+	0.0996	0.09170		mg/Kg		91	70 - 130	6	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U *	0.199	0.1876		mg/Kg		94	70 - 130	5	35
o-Xylene	<0.00201	U *	0.0996	0.09089		mg/Kg		91	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

Lab Sample ID: MB 880-53265/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				05/12/23 13:24	05/13/23 09:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 09:46	1

Lab Sample ID: LCS 880-53265/1-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1094		mg/Kg		109	70 - 130		
Toluene	0.100	0.09926		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.09783		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		99	70 - 130		
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: LCSD 880-53265/2-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1034		mg/Kg		103	70 - 130	6	35
Toluene	0.100	0.09734		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.1015		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130	3	35
o-Xylene	0.100	0.1058		mg/Kg		106	70 - 130	1	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-28369-41 MS

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1053		mg/Kg		105	70 - 130
Toluene	0.0243		0.0998	0.1023		mg/Kg		78	70 - 130
Ethylbenzene	0.0158		0.0998	0.09808		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.0471		0.200	0.2067		mg/Kg		80	70 - 130
o-Xylene	0.0182		0.0998	0.1040		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-28369-41 MSD

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.09180		mg/Kg		92	70 - 130	14	35
Toluene	0.0243		0.0990	0.09685		mg/Kg		73	70 - 130	6	35
Ethylbenzene	0.0158		0.0990	0.09419		mg/Kg		79	70 - 130	4	35
m-Xylene & p-Xylene	0.0471		0.198	0.1956		mg/Kg		75	70 - 130	6	35
o-Xylene	0.0182		0.0990	0.09818		mg/Kg		81	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-53272/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	93		70 - 130	05/12/23 14:20	05/15/23 14:53	1			
1,4-Difluorobenzene (Surr)	103		70 - 130	05/12/23 14:20	05/15/23 14:53	1			

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53272/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1273		mg/Kg		127	70 - 130
Toluene	0.100	0.1201		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1237		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.1954		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09080		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-53272/2-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1311	*+	mg/Kg		131	70 - 130	3	35
Toluene	0.100	0.1146		mg/Kg		115	70 - 130	5	35
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1889		mg/Kg		94	70 - 130	3	35
o-Xylene	0.100	0.08837		mg/Kg		88	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-28369-23 MS

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *+	0.101	0.09114		mg/Kg		90	70 - 130
Toluene	<0.00199	U	0.101	0.1110		mg/Kg		109	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1050		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1732		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.101	0.08086		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-28369-23 MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *+	0.0996	0.1034		mg/Kg		104	70 - 130	13	35
Toluene	<0.00199	U	0.0996	0.1169		mg/Kg		117	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0996	0.1089		mg/Kg		109	70 - 130	4	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-23 MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1773		mg/Kg		88	70 - 130	2	35
o-Xylene	<0.00199	U	0.0996	0.08373		mg/Kg		83	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	94		70 - 130								

Lab Sample ID: MB 880-53384/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/15/23 13:18	05/16/23 02:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/15/23 13:18	05/16/23 02:30	1

Lab Sample ID: LCS 880-53384/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1414	*+	mg/Kg		141	70 - 130
Toluene	0.100	0.1258		mg/Kg		126	70 - 130
Ethylbenzene	0.100	0.1281		mg/Kg		128	70 - 130
m-Xylene & p-Xylene	0.200	0.1982		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09338		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	98		70 - 130				
1,4-Difluorobenzene (Surr)	110		70 - 130				

Lab Sample ID: LCSD 880-53384/2-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1266		mg/Kg		127	70 - 130	11	35
Toluene	0.100	0.1149		mg/Kg		115	70 - 130	9	35
Ethylbenzene	0.100	0.1209		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	6	35
o-Xylene	0.100	0.08749		mg/Kg		87	70 - 130	7	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 890-4657-A-5-B MS

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U *	0.0994	0.09999		mg/Kg		101	70 - 130
Toluene	<0.00202	U	0.0994	0.09463		mg/Kg		95	70 - 130
Ethylbenzene	<0.00202	U	0.0994	0.1001		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1600		mg/Kg		80	70 - 130
o-Xylene	<0.00202	U	0.0994	0.07411		mg/Kg		75	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4657-A-5-C MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *	0.0996	0.09692		mg/Kg		97	70 - 130	3	35
Toluene	<0.00202	U	0.0996	0.1067		mg/Kg		107	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.0996	0.1176		mg/Kg		118	70 - 130	16	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1777		mg/Kg		89	70 - 130	11	35
o-Xylene	<0.00202	U	0.0996	0.08229		mg/Kg		83	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-53491/5-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/16/23 14:29	05/16/23 16:37	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	98		70 - 130	05/16/23 14:29	05/16/23 16:37	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	05/16/23 14:29	05/16/23 16:37	1			

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53491/1-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1361	*+	mg/Kg		136	70 - 130
Toluene	0.100	0.1349	*+	mg/Kg		135	70 - 130
Ethylbenzene	0.100	0.1389	*+	mg/Kg		139	70 - 130
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-53491/2-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1287		mg/Kg		129	70 - 130	6	35
Toluene	0.100	0.1260		mg/Kg		126	70 - 130	7	35
Ethylbenzene	0.100	0.1292		mg/Kg		129	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2139		mg/Kg		107	70 - 130	7	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 890-4652-A-27-D MS

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *	0.0992	0.1044		mg/Kg		105	70 - 130
Toluene	<0.00200	U *	0.0992	0.1095		mg/Kg		110	70 - 130
Ethylbenzene	<0.00200	U *	0.0992	0.1181		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1833		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.0992	0.08498		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-4652-A-27-E MSD

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *	0.0990	0.1182		mg/Kg		119	70 - 130	12	35
Toluene	<0.00200	U *	0.0990	0.1151		mg/Kg		116	70 - 130	5	35
Ethylbenzene	<0.00200	U *	0.0990	0.1053		mg/Kg		106	70 - 130	11	35

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 890-4652-A-27-E MSD

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1711		mg/Kg		86	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.08109		mg/Kg		81	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	118		70 - 130								

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

Lab Sample ID: MB 880-53288/1-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				05/12/23 16:36	05/12/23 20:19	1
o-Terphenyl	152	S1+	70 - 130				05/12/23 16:36	05/12/23 20:19	1

Lab Sample ID: LCS 880-53288/2-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	912.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	913.7		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: LCSD 880-53288/3-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	929.2		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	839.6		mg/Kg		84	70 - 130	8	20

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-53288/3-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53288

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-28369-21 MS

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53288

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	838.3		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	921.1		mg/Kg		90	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	82		70 - 130							

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53288

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1055	F2	mg/Kg		104	70 - 130	23	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1100		mg/Kg		108	70 - 130	18	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	97		70 - 130									
o-Terphenyl	97		70 - 130									

Lab Sample ID: MB 880-53289/1-A

Matrix: Solid

Analysis Batch: 53191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53289

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	135	S1+	70 - 130				05/12/23 16:39	05/12/23 20:19	1		
o-Terphenyl	108		70 - 130				05/12/23 16:39	05/12/23 20:19	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53289/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 53191				Prep Batch: 53289						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	846.9		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	868.6		mg/Kg		87	70 - 130	
		LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenyl	76		70 - 130							

Lab Sample ID: LCSD 880-53289/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 53191				Prep Batch: 53289						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.3		mg/Kg		84	70 - 130	1 20
Diesel Range Organics (Over C10-C28)			1000	804.6		mg/Kg		80	70 - 130	8 20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	77		70 - 130							

Lab Sample ID: 880-28369-1 MS				Client Sample ID: S-1 (0-1')						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 53191				Prep Batch: 53289						
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	998	863.3		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	675.9	F1	mg/Kg		68	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	84		70 - 130							
o-Terphenyl	58	S1-	70 - 130							

Lab Sample ID: 880-28369-1 MSD				Client Sample ID: S-1 (0-1')						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 53191				Prep Batch: 53289						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	817.2		mg/Kg		80	70 - 130	5 20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	700.4		mg/Kg		70	70 - 130	4 20
		MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	88		70 - 130							

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1 MSD  
Matrix: Solid  
Analysis Batch: 53191

Client Sample ID: S-1 (0-1')  
Prep Type: Total/NA  
Prep Batch: 53289

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	60	S1-	70 - 130

Lab Sample ID: MB 880-53304/1-A  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 53304

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/12/23 21:01	05/13/23 08:25	1
<i>o</i> -Terphenyl	168	S1+	70 - 130				05/12/23 21:01	05/13/23 08:25	1

Lab Sample ID: LCS 880-53304/2-A  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 53304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	918.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130
Surrogate	LCS	LCS	Limits				
1-Chlorooctane	109		70 - 130				
<i>o</i> -Terphenyl	125		70 - 130				

Lab Sample ID: LCSD 880-53304/3-A  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 53304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	956.6		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1000		mg/Kg		100	70 - 130	10	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	112		70 - 130						
<i>o</i> -Terphenyl	132	S1+	70 - 130						

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

**Lab Sample ID: 880-28369-41 MS**

**Matrix: Solid**

**Analysis Batch: 53318**

**Client Sample ID: S-10 (3')**

Prep Type: Total/NA

**Prep Batch: 53304**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1005		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1164		mg/Kg		114	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	118		70 - 130								

**Lab Sample ID: 880-28369-41 MSD**

**Matrix: Solid**

**Analysis Batch: 53318**

**Client Sample ID: S-10 (3')**

Prep Type: Total/NA

**Prep Batch: 53304**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1134		mg/Kg		111	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1282		mg/Kg		126	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	126		70 - 130								

**Lab Sample ID: MB 880-53306/1-A**

**Matrix: Solid**

**Analysis Batch: 53318**

**Client Sample ID: Method Blank**

Prep Type: Total/NA

**Prep Batch: 53306**

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		05/12/23 21:11	05/13/23 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/13/23 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/13/23 19:37	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	143	S1+	70 - 130				05/12/23 21:11	05/13/23 19:37	1
o-Terphenyl	175	S1+	70 - 130				05/12/23 21:11	05/13/23 19:37	1

**Lab Sample ID: LCS 880-53306/2-A**

**Matrix: Solid**

**Analysis Batch: 53318**

**Client Sample ID: Lab Control Sample**

Prep Type: Total/NA

Prep Batch: 53306

Analyte	Spike	LCS	Unit	D	%Rec	%Rec
	Added	Result				Qualifier
Gasoline Range Organics (GRO)-C6-C10	1000	948.3	mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.5	mg/Kg		97	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53306/2-A  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 53306

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-53306/3-A  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 53306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1134		mg/Kg		113	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1136		mg/Kg		114	70 - 130	16	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	144	S1+	70 - 130

Lab Sample ID: 880-28372-A-21-E MS  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 53306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	846.7		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1005		mg/Kg		98	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: 880-28372-A-21-F MSD  
Matrix: Solid  
Analysis Batch: 53318

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 53306

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	997	868.4		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1023		mg/Kg		99	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	129		70 - 130

Eurofins Midland



QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53307/1-A  
Matrix: Solid  
Analysis Batch: 53315

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 53307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:28	05/13/23 08:32	1
o-Terphenyl	125		70 - 130				05/12/23 21:28	05/13/23 08:32	1

Lab Sample ID: LCS 880-53307/2-A  
Matrix: Solid  
Analysis Batch: 53315

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 53307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	783.3		mg/Kg		78	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-53307/3-A  
Matrix: Solid  
Analysis Batch: 53315

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 53307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.7		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	795.6		mg/Kg		80	70 - 130	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 880-28368-A-1-H MS  
Matrix: Solid  
Analysis Batch: 53315

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	963.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	904.6		mg/Kg		88	70 - 130

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-A-1-H MS

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53307

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-28368-A-1-I MSD

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	934.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	917.4		mg/Kg		89	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-53379/1-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	177	S1+	70 - 130	05/15/23 12:47	05/15/23 14:57	1			
o-Terphenyl	144	S1+	70 - 130	05/15/23 12:47	05/15/23 14:57	1			

Lab Sample ID: LCS 880-53379/2-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	983.1		mg/Kg		98	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	86		70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-53379/3-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	930.1		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	972.8		mg/Kg		97	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 890-4651-A-1-E MS

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	55.1		997	962.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	857.2		mg/Kg		84	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	121		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 890-4651-A-1-F MSD

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53379

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	55.1		997	984.7		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	882.1		mg/Kg		87	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	90		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53281/1-A

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 08:32	1

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-53281/2-A

Matrix: Solid

Analysis Batch: 53353

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 880-53281/3-A

Matrix: Solid

Analysis Batch: 53353

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	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-28369-6 MS

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: S-2 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	69.8		249	314.9		mg/Kg		99	90 - 110

Lab Sample ID: 880-28369-6 MSD

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: S-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	69.8		249	313.4		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-28369-16 MS

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: S-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.0		252	286.6		mg/Kg		96	90 - 110

Lab Sample ID: 880-28369-16 MSD

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: S-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.0		252	286.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-53280/1-A

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 12:07	1

Lab Sample ID: LCS 880-53280/2-A

Matrix: Solid

Analysis Batch: 53354

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

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-53280/3-A

Matrix: Solid

Analysis Batch: 53354

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	244.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28369-26 MS

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.9		251	298.0		mg/Kg		96	90 - 110		

Lab Sample ID: 880-28369-26 MSD

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.9		251	298.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-28369-36 MS

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	316	F1	248	521.4	F1	mg/Kg		83	90 - 110		

Lab Sample ID: 880-28369-36 MSD

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	316	F1	248	520.8	F1	mg/Kg		83	90 - 110	0	20

Lab Sample ID: MB 880-53282/1-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 21:12	1

Lab Sample ID: LCS 880-53282/2-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-53282/3-A

Matrix: Solid

Analysis Batch: 53394

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	258.8		mg/Kg		104	90 - 110	0	20

Eurofins Midland



## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28368-A-1-E MS

Matrix: Solid

Analysis Batch: 53394

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	56.9		249	306.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-28368-A-1-F MSD

Matrix: Solid

Analysis Batch: 53394

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	56.9		249	306.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-53279/1-A

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 18:23	1

Lab Sample ID: LCS 880-53279/2-A

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-53279/3-A

Matrix: Solid

Analysis Batch: 53395

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	244.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28369-46 MS

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-12 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5580		2480	8031		mg/Kg		99	90 - 110

Lab Sample ID: 880-28369-46 MSD

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-12 (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	5580		2480	8046		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-28369-56 MS

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-14 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4770		2490	7159		mg/Kg		96	90 - 110

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28369-56 MSD

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-14 (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	4770		2490	7164		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-53278/1-A

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/16/23 00:39	1

Lab Sample ID: LCS 880-53278/2-A

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.6		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-53278/3-A

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.7		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-28369-67 MS

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: S-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117	F1	248	336.5	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-28369-67 MSD

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: S-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117	F1	248	330.6	F1	mg/Kg		86	90 - 110	2	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 53101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8021B	53265
880-28369-42	S-10 (4')	Total/NA	Solid	8021B	53265
880-28369-43	S-11 (0-1')	Total/NA	Solid	8021B	53265
880-28369-44	S-11 (1.5')	Total/NA	Solid	8021B	53265
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53265
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53265
880-28369-47	S-12 (2')	Total/NA	Solid	8021B	53265
880-28369-48	S-12 (3')	Total/NA	Solid	8021B	53265
880-28369-49	S-12 (4')	Total/NA	Solid	8021B	53265
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53265
880-28369-51	S-13 (1.5')	Total/NA	Solid	8021B	53265
880-28369-52	S-13 (2')	Total/NA	Solid	8021B	53265
880-28369-53	S-13 (3')	Total/NA	Solid	8021B	53265
880-28369-54	S-13 (4')	Total/NA	Solid	8021B	53265
880-28369-55	S-14 (0-1')	Total/NA	Solid	8021B	53265
880-28369-56	S-14 (1.5')	Total/NA	Solid	8021B	53265
880-28369-57	S-14 (2')	Total/NA	Solid	8021B	53265
880-28369-58	S-14 (3')	Total/NA	Solid	8021B	53265
880-28369-59	S-14 (4')	Total/NA	Solid	8021B	53265
880-28369-60	S-15 (0-1')	Total/NA	Solid	8021B	53265
MB 880-53203/5-A	Method Blank	Total/NA	Solid	8021B	53203
MB 880-53265/5-A	Method Blank	Total/NA	Solid	8021B	53265
LCS 880-53265/1-A	Lab Control Sample	Total/NA	Solid	8021B	53265
LCSD 880-53265/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53265
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8021B	53265
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8021B	53265

## Analysis Batch: 53199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8021B	53263
880-28369-2	S-1 (1.5')	Total/NA	Solid	8021B	53263
880-28369-3	S-1 (2')	Total/NA	Solid	8021B	53263
880-28369-4	S-1 (3')	Total/NA	Solid	8021B	53263
880-28369-5	S-2 (0-1')	Total/NA	Solid	8021B	53263
880-28369-6	S-2 (1.5')	Total/NA	Solid	8021B	53263
880-28369-7	S-2 (2')	Total/NA	Solid	8021B	53263
880-28369-8	S-2 (3')	Total/NA	Solid	8021B	53263
880-28369-9	S-3 (0-1')	Total/NA	Solid	8021B	53263
880-28369-10	S-3 (1.5')	Total/NA	Solid	8021B	53263
880-28369-11	S-3 (2')	Total/NA	Solid	8021B	53263
880-28369-12	S-3 (3')	Total/NA	Solid	8021B	53263
880-28369-13	S-3 (4')	Total/NA	Solid	8021B	53263
880-28369-14	S-4 (0-1')	Total/NA	Solid	8021B	53263
880-28369-15	S-4 (1.5')	Total/NA	Solid	8021B	53263
880-28369-16	S-4 (2')	Total/NA	Solid	8021B	53263
880-28369-17	S-4 (3')	Total/NA	Solid	8021B	53263
880-28369-18	S-4 (4')	Total/NA	Solid	8021B	53263
880-28369-19	S-5 (0-1')	Total/NA	Solid	8021B	53263
880-28369-20	S-5 (1.5')	Total/NA	Solid	8021B	53263
MB 880-53263/5-A	Method Blank	Total/NA	Solid	8021B	53263
LCS 880-53263/1-A	Lab Control Sample	Total/NA	Solid	8021B	53263

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Analysis Batch: 53199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53263/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53263
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	53263
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	53263

## Analysis Batch: 53200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8021B	53264
880-28369-22	S-5 (3')	Total/NA	Solid	8021B	53264
880-28369-24	S-6 (1.5')	Total/NA	Solid	8021B	53264
880-28369-25	S-6 (2')	Total/NA	Solid	8021B	53264
880-28369-26	S-6 (3')	Total/NA	Solid	8021B	53264
880-28369-27	S-7 (0-1')	Total/NA	Solid	8021B	53264
880-28369-29	S-8 (0-1')	Total/NA	Solid	8021B	53264
880-28369-30	S-8 (1.5')	Total/NA	Solid	8021B	53264
880-28369-31	S-8 (2')	Total/NA	Solid	8021B	53264
880-28369-32	S-8 (3')	Total/NA	Solid	8021B	53264
880-28369-33	S-9 (0-1')	Total/NA	Solid	8021B	53264
880-28369-34	S-9 (1.5')	Total/NA	Solid	8021B	53264
880-28369-35	S-9 (2')	Total/NA	Solid	8021B	53264
880-28369-36	S-9 (3')	Total/NA	Solid	8021B	53264
880-28369-37	S-9 (4')	Total/NA	Solid	8021B	53264
880-28369-38	S-10 (0-1')	Total/NA	Solid	8021B	53264
880-28369-39	S-10 (1.5')	Total/NA	Solid	8021B	53264
880-28369-40	S-10 (2')	Total/NA	Solid	8021B	53264
MB 880-53202/5-A	Method Blank	Total/NA	Solid	8021B	53202
MB 880-53264/5-A	Method Blank	Total/NA	Solid	8021B	53264
LCS 880-53264/1-A	Lab Control Sample	Total/NA	Solid	8021B	53264
LCSD 880-53264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53264
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8021B	53264
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8021B	53264

## Prep Batch: 53202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53202/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 53203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53203/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 53242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	5035	
880-28369-62	S-15 (2')	Total/NA	Solid	5035	
880-28369-63	S-15 (3')	Total/NA	Solid	5035	
880-28369-64	S-15 (4')	Total/NA	Solid	5035	
880-28369-65	S-16 (0-1')	Total/NA	Solid	5035	
880-28369-66	S-16 (1.5')	Total/NA	Solid	5035	
880-28369-67	S-16 (2')	Total/NA	Solid	5035	
880-28369-68	S-16 (3')	Total/NA	Solid	5035	
880-28369-69	S-16 (4')	Total/NA	Solid	5035	
MB 880-53242/5-B	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Prep Batch: 53242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53242/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53242/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-61 MS	S-15 (1.5')	Total/NA	Solid	5035	
880-28369-61 MSD	S-15 (1.5')	Total/NA	Solid	5035	

## Prep Batch: 53263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	5035	
880-28369-2	S-1 (1.5')	Total/NA	Solid	5035	
880-28369-3	S-1 (2')	Total/NA	Solid	5035	
880-28369-4	S-1 (3')	Total/NA	Solid	5035	
880-28369-5	S-2 (0-1')	Total/NA	Solid	5035	
880-28369-6	S-2 (1.5')	Total/NA	Solid	5035	
880-28369-7	S-2 (2')	Total/NA	Solid	5035	
880-28369-8	S-2 (3')	Total/NA	Solid	5035	
880-28369-9	S-3 (0-1')	Total/NA	Solid	5035	
880-28369-10	S-3 (1.5')	Total/NA	Solid	5035	
880-28369-11	S-3 (2')	Total/NA	Solid	5035	
880-28369-12	S-3 (3')	Total/NA	Solid	5035	
880-28369-13	S-3 (4')	Total/NA	Solid	5035	
880-28369-14	S-4 (0-1')	Total/NA	Solid	5035	
880-28369-15	S-4 (1.5')	Total/NA	Solid	5035	
880-28369-16	S-4 (2')	Total/NA	Solid	5035	
880-28369-17	S-4 (3')	Total/NA	Solid	5035	
880-28369-18	S-4 (4')	Total/NA	Solid	5035	
880-28369-19	S-5 (0-1')	Total/NA	Solid	5035	
880-28369-20	S-5 (1.5')	Total/NA	Solid	5035	
MB 880-53263/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53263/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53263/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

## Prep Batch: 53264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	5035	
880-28369-22	S-5 (3')	Total/NA	Solid	5035	
880-28369-24	S-6 (1.5')	Total/NA	Solid	5035	
880-28369-25	S-6 (2')	Total/NA	Solid	5035	
880-28369-26	S-6 (3')	Total/NA	Solid	5035	
880-28369-27	S-7 (0-1')	Total/NA	Solid	5035	
880-28369-29	S-8 (0-1')	Total/NA	Solid	5035	
880-28369-30	S-8 (1.5')	Total/NA	Solid	5035	
880-28369-31	S-8 (2')	Total/NA	Solid	5035	
880-28369-32	S-8 (3')	Total/NA	Solid	5035	
880-28369-33	S-9 (0-1')	Total/NA	Solid	5035	
880-28369-34	S-9 (1.5')	Total/NA	Solid	5035	
880-28369-35	S-9 (2')	Total/NA	Solid	5035	
880-28369-36	S-9 (3')	Total/NA	Solid	5035	
880-28369-37	S-9 (4')	Total/NA	Solid	5035	
880-28369-38	S-10 (0-1')	Total/NA	Solid	5035	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Prep Batch: 53264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-39	S-10 (1.5')	Total/NA	Solid	5035	
880-28369-40	S-10 (2')	Total/NA	Solid	5035	
MB 880-53264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53264/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-21 MS	S-5 (2')	Total/NA	Solid	5035	
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	5035	

## Prep Batch: 53265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	5035	
880-28369-42	S-10 (4')	Total/NA	Solid	5035	
880-28369-43	S-11 (0-1')	Total/NA	Solid	5035	
880-28369-44	S-11 (1.5')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-47	S-12 (2')	Total/NA	Solid	5035	
880-28369-48	S-12 (3')	Total/NA	Solid	5035	
880-28369-49	S-12 (4')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
880-28369-51	S-13 (1.5')	Total/NA	Solid	5035	
880-28369-52	S-13 (2')	Total/NA	Solid	5035	
880-28369-53	S-13 (3')	Total/NA	Solid	5035	
880-28369-54	S-13 (4')	Total/NA	Solid	5035	
880-28369-55	S-14 (0-1')	Total/NA	Solid	5035	
880-28369-56	S-14 (1.5')	Total/NA	Solid	5035	
880-28369-57	S-14 (2')	Total/NA	Solid	5035	
880-28369-58	S-14 (3')	Total/NA	Solid	5035	
880-28369-59	S-14 (4')	Total/NA	Solid	5035	
880-28369-60	S-15 (0-1')	Total/NA	Solid	5035	
MB 880-53265/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53265/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53265/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-41 MS	S-10 (3')	Total/NA	Solid	5035	
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	5035	

## Prep Batch: 53272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-23	S-6 (0-1')	Total/NA	Solid	5035	
880-28369-28	S-7 (1.5')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
MB 880-53272/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-23 MS	S-6 (0-1')	Total/NA	Solid	5035	
880-28369-23 MSD	S-6 (0-1')	Total/NA	Solid	5035	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 53334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-23	S-6 (0-1')	Total/NA	Solid	8021B	53272
880-28369-28	S-7 (1.5')	Total/NA	Solid	8021B	53272
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53272
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53272
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53272
MB 880-53272/5-A	Method Blank	Total/NA	Solid	8021B	53272
MB 880-53384/5-A	Method Blank	Total/NA	Solid	8021B	53384
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	8021B	53272
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	8021B	53384
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53272
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53384
880-28369-23 MS	S-6 (0-1')	Total/NA	Solid	8021B	53272
880-28369-23 MSD	S-6 (0-1')	Total/NA	Solid	8021B	53272
890-4657-A-5-B MS	Matrix Spike	Total/NA	Solid	8021B	53384
890-4657-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53384

## Analysis Batch: 53337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8021B	53242
880-28369-62	S-15 (2')	Total/NA	Solid	8021B	53242
880-28369-63	S-15 (3')	Total/NA	Solid	8021B	53242
880-28369-64	S-15 (4')	Total/NA	Solid	8021B	53242
880-28369-65	S-16 (0-1')	Total/NA	Solid	8021B	53242
880-28369-66	S-16 (1.5')	Total/NA	Solid	8021B	53242
880-28369-67	S-16 (2')	Total/NA	Solid	8021B	53242
880-28369-68	S-16 (3')	Total/NA	Solid	8021B	53242
880-28369-69	S-16 (4')	Total/NA	Solid	8021B	53242
MB 880-53242/5-B	Method Blank	Total/NA	Solid	8021B	53242
LCS 880-53242/1-A	Lab Control Sample	Total/NA	Solid	8021B	53242
LCSD 880-53242/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53242
880-28369-61 MS	S-15 (1.5')	Total/NA	Solid	8021B	53242
880-28369-61 MSD	S-15 (1.5')	Total/NA	Solid	8021B	53242

## Prep Batch: 53384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53384/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4657-A-5-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4657-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 53407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-28369-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-28369-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-28369-8	S-2 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Analysis Batch: 53407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-9	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-11	S-3 (2')	Total/NA	Solid	Total BTEX	
880-28369-12	S-3 (3')	Total/NA	Solid	Total BTEX	
880-28369-13	S-3 (4')	Total/NA	Solid	Total BTEX	
880-28369-14	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-15	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-16	S-4 (2')	Total/NA	Solid	Total BTEX	
880-28369-17	S-4 (3')	Total/NA	Solid	Total BTEX	
880-28369-18	S-4 (4')	Total/NA	Solid	Total BTEX	
880-28369-19	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-20	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-21	S-5 (2')	Total/NA	Solid	Total BTEX	
880-28369-22	S-5 (3')	Total/NA	Solid	Total BTEX	
880-28369-23	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-24	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-25	S-6 (2')	Total/NA	Solid	Total BTEX	
880-28369-26	S-6 (3')	Total/NA	Solid	Total BTEX	
880-28369-27	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-28	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-29	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-30	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-31	S-8 (2')	Total/NA	Solid	Total BTEX	
880-28369-32	S-8 (3')	Total/NA	Solid	Total BTEX	
880-28369-33	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-34	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-35	S-9 (2')	Total/NA	Solid	Total BTEX	
880-28369-36	S-9 (3')	Total/NA	Solid	Total BTEX	
880-28369-37	S-9 (4')	Total/NA	Solid	Total BTEX	
880-28369-38	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-39	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-40	S-10 (2')	Total/NA	Solid	Total BTEX	
880-28369-41	S-10 (3')	Total/NA	Solid	Total BTEX	
880-28369-42	S-10 (4')	Total/NA	Solid	Total BTEX	
880-28369-43	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-44	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-45	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-46	S-12 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-47	S-12 (2')	Total/NA	Solid	Total BTEX	
880-28369-48	S-12 (3')	Total/NA	Solid	Total BTEX	
880-28369-49	S-12 (4')	Total/NA	Solid	Total BTEX	
880-28369-50	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-51	S-13 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-52	S-13 (2')	Total/NA	Solid	Total BTEX	
880-28369-53	S-13 (3')	Total/NA	Solid	Total BTEX	
880-28369-54	S-13 (4')	Total/NA	Solid	Total BTEX	
880-28369-55	S-14 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-56	S-14 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-57	S-14 (2')	Total/NA	Solid	Total BTEX	
880-28369-58	S-14 (3')	Total/NA	Solid	Total BTEX	
880-28369-59	S-14 (4')	Total/NA	Solid	Total BTEX	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC VOA (Continued)

## Analysis Batch: 53407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-60	S-15 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-61	S-15 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-62	S-15 (2')	Total/NA	Solid	Total BTEX	
880-28369-63	S-15 (3')	Total/NA	Solid	Total BTEX	
880-28369-64	S-15 (4')	Total/NA	Solid	Total BTEX	
880-28369-65	S-16 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-66	S-16 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-67	S-16 (2')	Total/NA	Solid	Total BTEX	
880-28369-68	S-16 (3')	Total/NA	Solid	Total BTEX	
880-28369-69	S-16 (4')	Total/NA	Solid	Total BTEX	

## Analysis Batch: 53488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-38	S-10 (0-1')	Total/NA	Solid	8021B	53491
880-28369-40	S-10 (2')	Total/NA	Solid	8021B	53491
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53491
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53491
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53491
880-28369-66	S-16 (1.5')	Total/NA	Solid	8021B	53491
880-28369-67	S-16 (2')	Total/NA	Solid	8021B	53491
MB 880-53491/5-A	Method Blank	Total/NA	Solid	8021B	53491
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	8021B	53491
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53491
890-4652-A-27-D MS	Matrix Spike	Total/NA	Solid	8021B	53491
890-4652-A-27-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53491

## Prep Batch: 53491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-38	S-10 (0-1')	Total/NA	Solid	5035	
880-28369-40	S-10 (2')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
880-28369-66	S-16 (1.5')	Total/NA	Solid	5035	
880-28369-67	S-16 (2')	Total/NA	Solid	5035	
MB 880-53491/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4652-A-27-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4652-A-27-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## GC Semi VOA

## Analysis Batch: 53191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-3	S-1 (2')	Total/NA	Solid	8015B NM	53289
880-28369-4	S-1 (3')	Total/NA	Solid	8015B NM	53289
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015B NM	53289

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 53191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-7	S-2 (2')	Total/NA	Solid	8015B NM	53289
880-28369-8	S-2 (3')	Total/NA	Solid	8015B NM	53289
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-11	S-3 (2')	Total/NA	Solid	8015B NM	53289
880-28369-12	S-3 (3')	Total/NA	Solid	8015B NM	53289
880-28369-13	S-3 (4')	Total/NA	Solid	8015B NM	53289
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-16	S-4 (2')	Total/NA	Solid	8015B NM	53289
880-28369-17	S-4 (3')	Total/NA	Solid	8015B NM	53289
880-28369-18	S-4 (4')	Total/NA	Solid	8015B NM	53289
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015B NM	53289
MB 880-53289/1-A	Method Blank	Total/NA	Solid	8015B NM	53289
LCS 880-53289/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53289
LCSD 880-53289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53289
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	53289

## Analysis Batch: 53193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8015B NM	53288
880-28369-22	S-5 (3')	Total/NA	Solid	8015B NM	53288
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-25	S-6 (2')	Total/NA	Solid	8015B NM	53288
880-28369-26	S-6 (3')	Total/NA	Solid	8015B NM	53288
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-31	S-8 (2')	Total/NA	Solid	8015B NM	53288
880-28369-32	S-8 (3')	Total/NA	Solid	8015B NM	53288
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-35	S-9 (2')	Total/NA	Solid	8015B NM	53288
880-28369-36	S-9 (3')	Total/NA	Solid	8015B NM	53288
880-28369-37	S-9 (4')	Total/NA	Solid	8015B NM	53288
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-40	S-10 (2')	Total/NA	Solid	8015B NM	53288
MB 880-53288/1-A	Method Blank	Total/NA	Solid	8015B NM	53288
LCS 880-53288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53288
LCSD 880-53288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53288
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8015B NM	53288
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8015B NM	53288

## Prep Batch: 53288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Prep Batch: 53288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-22	S-5 (3')	Total/NA	Solid	8015NM Prep	
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-25	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-28369-26	S-6 (3')	Total/NA	Solid	8015NM Prep	
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-31	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-28369-32	S-8 (3')	Total/NA	Solid	8015NM Prep	
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-35	S-9 (2')	Total/NA	Solid	8015NM Prep	
880-28369-36	S-9 (3')	Total/NA	Solid	8015NM Prep	
880-28369-37	S-9 (4')	Total/NA	Solid	8015NM Prep	
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-40	S-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-53288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8015NM Prep	

## Prep Batch: 53289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-28369-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-28369-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-11	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-28369-12	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-28369-13	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-16	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-28369-17	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-28369-18	S-4 (4')	Total/NA	Solid	8015NM Prep	
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53289/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53289/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Prep Batch: 53289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

## Prep Batch: 53304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8015NM Prep	
880-28369-42	S-10 (4')	Total/NA	Solid	8015NM Prep	
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-47	S-12 (2')	Total/NA	Solid	8015NM Prep	
880-28369-48	S-12 (3')	Total/NA	Solid	8015NM Prep	
880-28369-49	S-12 (4')	Total/NA	Solid	8015NM Prep	
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-52	S-13 (2')	Total/NA	Solid	8015NM Prep	
880-28369-53	S-13 (3')	Total/NA	Solid	8015NM Prep	
880-28369-54	S-13 (4')	Total/NA	Solid	8015NM Prep	
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-57	S-14 (2')	Total/NA	Solid	8015NM Prep	
880-28369-58	S-14 (3')	Total/NA	Solid	8015NM Prep	
880-28369-59	S-14 (4')	Total/NA	Solid	8015NM Prep	
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-53304/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53304/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8015NM Prep	
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8015NM Prep	

## Prep Batch: 53306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-64	S-15 (4')	Total/NA	Solid	8015NM Prep	
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28372-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28372-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 53307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28368-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28368-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 53315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015B NM	53307

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 53315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015B NM	53307
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53307
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53307
880-28368-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	53307
880-28368-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53307

## Analysis Batch: 53318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28369-42	S-10 (4')	Total/NA	Solid	8015B NM	53304
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-47	S-12 (2')	Total/NA	Solid	8015B NM	53304
880-28369-48	S-12 (3')	Total/NA	Solid	8015B NM	53304
880-28369-49	S-12 (4')	Total/NA	Solid	8015B NM	53304
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-52	S-13 (2')	Total/NA	Solid	8015B NM	53304
880-28369-53	S-13 (3')	Total/NA	Solid	8015B NM	53304
880-28369-54	S-13 (4')	Total/NA	Solid	8015B NM	53304
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-57	S-14 (2')	Total/NA	Solid	8015B NM	53304
880-28369-58	S-14 (3')	Total/NA	Solid	8015B NM	53304
880-28369-59	S-14 (4')	Total/NA	Solid	8015B NM	53304
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-64	S-15 (4')	Total/NA	Solid	8015B NM	53306
MB 880-53304/1-A	Method Blank	Total/NA	Solid	8015B NM	53304
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015B NM	53306
LCS 880-53304/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53304
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53306
LCSD 880-53304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53304
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53306
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28372-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	53306
880-28372-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53306

## Analysis Batch: 53324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-62	S-15 (2')	Total/NA	Solid	8015B NM	53379
880-28369-63	S-15 (3')	Total/NA	Solid	8015B NM	53379
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015B NM	53379
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015B NM	53379
880-28369-67	S-16 (2')	Total/NA	Solid	8015B NM	53379
880-28369-68	S-16 (3')	Total/NA	Solid	8015B NM	53379
880-28369-69	S-16 (4')	Total/NA	Solid	8015B NM	53379
MB 880-53379/1-A	Method Blank	Total/NA	Solid	8015B NM	53379
LCS 880-53379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53379

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 53324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53379
890-4651-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	53379
890-4651-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53379

## Analysis Batch: 53375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-28369-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-28369-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-28369-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-28369-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-28369-11	S-3 (2')	Total/NA	Solid	8015 NM	
880-28369-12	S-3 (3')	Total/NA	Solid	8015 NM	
880-28369-13	S-3 (4')	Total/NA	Solid	8015 NM	
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-28369-16	S-4 (2')	Total/NA	Solid	8015 NM	
880-28369-17	S-4 (3')	Total/NA	Solid	8015 NM	
880-28369-18	S-4 (4')	Total/NA	Solid	8015 NM	
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-28369-21	S-5 (2')	Total/NA	Solid	8015 NM	
880-28369-22	S-5 (3')	Total/NA	Solid	8015 NM	
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-28369-25	S-6 (2')	Total/NA	Solid	8015 NM	
880-28369-26	S-6 (3')	Total/NA	Solid	8015 NM	
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-28369-31	S-8 (2')	Total/NA	Solid	8015 NM	
880-28369-32	S-8 (3')	Total/NA	Solid	8015 NM	
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-28369-35	S-9 (2')	Total/NA	Solid	8015 NM	
880-28369-36	S-9 (3')	Total/NA	Solid	8015 NM	
880-28369-37	S-9 (4')	Total/NA	Solid	8015 NM	
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-28369-40	S-10 (2')	Total/NA	Solid	8015 NM	
880-28369-41	S-10 (3')	Total/NA	Solid	8015 NM	
880-28369-42	S-10 (4')	Total/NA	Solid	8015 NM	
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 53375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015 NM	
880-28369-47	S-12 (2')	Total/NA	Solid	8015 NM	
880-28369-48	S-12 (3')	Total/NA	Solid	8015 NM	
880-28369-49	S-12 (4')	Total/NA	Solid	8015 NM	
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015 NM	
880-28369-52	S-13 (2')	Total/NA	Solid	8015 NM	
880-28369-53	S-13 (3')	Total/NA	Solid	8015 NM	
880-28369-54	S-13 (4')	Total/NA	Solid	8015 NM	
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015 NM	
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015 NM	
880-28369-57	S-14 (2')	Total/NA	Solid	8015 NM	
880-28369-58	S-14 (3')	Total/NA	Solid	8015 NM	
880-28369-59	S-14 (4')	Total/NA	Solid	8015 NM	
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015 NM	
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015 NM	
880-28369-62	S-15 (2')	Total/NA	Solid	8015 NM	
880-28369-63	S-15 (3')	Total/NA	Solid	8015 NM	
880-28369-64	S-15 (4')	Total/NA	Solid	8015 NM	
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015 NM	
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015 NM	
880-28369-67	S-16 (2')	Total/NA	Solid	8015 NM	
880-28369-68	S-16 (3')	Total/NA	Solid	8015 NM	
880-28369-69	S-16 (4')	Total/NA	Solid	8015 NM	

## Prep Batch: 53379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-62	S-15 (2')	Total/NA	Solid	8015NM Prep	
880-28369-63	S-15 (3')	Total/NA	Solid	8015NM Prep	
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-67	S-16 (2')	Total/NA	Solid	8015NM Prep	
880-28369-68	S-16 (3')	Total/NA	Solid	8015NM Prep	
880-28369-69	S-16 (4')	Total/NA	Solid	8015NM Prep	
MB 880-53379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4651-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4651-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## HPLC/IC

## Leach Batch: 53278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-66	S-16 (1.5')	Soluble	Solid	DI Leach	
880-28369-67	S-16 (2')	Soluble	Solid	DI Leach	
880-28369-68	S-16 (3')	Soluble	Solid	DI Leach	
880-28369-69	S-16 (4')	Soluble	Solid	DI Leach	
MB 880-53278/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53278/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53278/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Leach Batch: 53278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-67 MS	S-16 (2')	Soluble	Solid	DI Leach	
880-28369-67 MSD	S-16 (2')	Soluble	Solid	DI Leach	

## Leach Batch: 53279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-47	S-12 (2')	Soluble	Solid	DI Leach	
880-28369-48	S-12 (3')	Soluble	Solid	DI Leach	
880-28369-49	S-12 (4')	Soluble	Solid	DI Leach	
880-28369-50	S-13 (0-1')	Soluble	Solid	DI Leach	
880-28369-51	S-13 (1.5')	Soluble	Solid	DI Leach	
880-28369-52	S-13 (2')	Soluble	Solid	DI Leach	
880-28369-53	S-13 (3')	Soluble	Solid	DI Leach	
880-28369-54	S-13 (4')	Soluble	Solid	DI Leach	
880-28369-55	S-14 (0-1')	Soluble	Solid	DI Leach	
880-28369-56	S-14 (1.5')	Soluble	Solid	DI Leach	
880-28369-57	S-14 (2')	Soluble	Solid	DI Leach	
880-28369-58	S-14 (3')	Soluble	Solid	DI Leach	
880-28369-59	S-14 (4')	Soluble	Solid	DI Leach	
880-28369-60	S-15 (0-1')	Soluble	Solid	DI Leach	
880-28369-61	S-15 (1.5')	Soluble	Solid	DI Leach	
880-28369-62	S-15 (2')	Soluble	Solid	DI Leach	
880-28369-63	S-15 (3')	Soluble	Solid	DI Leach	
880-28369-64	S-15 (4')	Soluble	Solid	DI Leach	
880-28369-65	S-16 (0-1')	Soluble	Solid	DI Leach	
MB 880-53279/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53279/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53279/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-46 MS	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-46 MSD	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-56 MS	S-14 (1.5')	Soluble	Solid	DI Leach	
880-28369-56 MSD	S-14 (1.5')	Soluble	Solid	DI Leach	

## Leach Batch: 53280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-26	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-27	S-7 (0-1')	Soluble	Solid	DI Leach	
880-28369-28	S-7 (1.5')	Soluble	Solid	DI Leach	
880-28369-29	S-8 (0-1')	Soluble	Solid	DI Leach	
880-28369-30	S-8 (1.5')	Soluble	Solid	DI Leach	
880-28369-31	S-8 (2')	Soluble	Solid	DI Leach	
880-28369-32	S-8 (3')	Soluble	Solid	DI Leach	
880-28369-33	S-9 (0-1')	Soluble	Solid	DI Leach	
880-28369-34	S-9 (1.5')	Soluble	Solid	DI Leach	
880-28369-35	S-9 (2')	Soluble	Solid	DI Leach	
880-28369-36	S-9 (3')	Soluble	Solid	DI Leach	
880-28369-37	S-9 (4')	Soluble	Solid	DI Leach	
880-28369-38	S-10 (0-1')	Soluble	Solid	DI Leach	
880-28369-39	S-10 (1.5')	Soluble	Solid	DI Leach	
880-28369-40	S-10 (2')	Soluble	Solid	DI Leach	
880-28369-41	S-10 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Leach Batch: 53280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-42	S-10 (4')	Soluble	Solid	DI Leach	
880-28369-43	S-11 (0-1')	Soluble	Solid	DI Leach	
880-28369-44	S-11 (1.5')	Soluble	Solid	DI Leach	
880-28369-45	S-12 (0-1')	Soluble	Solid	DI Leach	
MB 880-53280/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53280/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53280/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-26 MS	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-26 MSD	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-36 MS	S-9 (3')	Soluble	Solid	DI Leach	
880-28369-36 MSD	S-9 (3')	Soluble	Solid	DI Leach	

## Leach Batch: 53281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-7	S-2 (2')	Soluble	Solid	DI Leach	
880-28369-8	S-2 (3')	Soluble	Solid	DI Leach	
880-28369-9	S-3 (0-1')	Soluble	Solid	DI Leach	
880-28369-10	S-3 (1.5')	Soluble	Solid	DI Leach	
880-28369-11	S-3 (2')	Soluble	Solid	DI Leach	
880-28369-12	S-3 (3')	Soluble	Solid	DI Leach	
880-28369-13	S-3 (4')	Soluble	Solid	DI Leach	
880-28369-14	S-4 (0-1')	Soluble	Solid	DI Leach	
880-28369-15	S-4 (1.5')	Soluble	Solid	DI Leach	
880-28369-16	S-4 (2')	Soluble	Solid	DI Leach	
880-28369-17	S-4 (3')	Soluble	Solid	DI Leach	
880-28369-18	S-4 (4')	Soluble	Solid	DI Leach	
880-28369-19	S-5 (0-1')	Soluble	Solid	DI Leach	
880-28369-20	S-5 (1.5')	Soluble	Solid	DI Leach	
880-28369-21	S-5 (2')	Soluble	Solid	DI Leach	
880-28369-22	S-5 (3')	Soluble	Solid	DI Leach	
880-28369-23	S-6 (0-1')	Soluble	Solid	DI Leach	
880-28369-24	S-6 (1.5')	Soluble	Solid	DI Leach	
880-28369-25	S-6 (2')	Soluble	Solid	DI Leach	
MB 880-53281/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53281/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53281/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-6 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-6 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-16 MS	S-4 (2')	Soluble	Solid	DI Leach	
880-28369-16 MSD	S-4 (2')	Soluble	Solid	DI Leach	

## Leach Batch: 53282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-28369-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28369-3	S-1 (2')	Soluble	Solid	DI Leach	
880-28369-4	S-1 (3')	Soluble	Solid	DI Leach	
880-28369-5	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-53282/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Leach Batch: 53282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28368-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28368-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 53353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-6	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-7	S-2 (2')	Soluble	Solid	300.0	53281
880-28369-8	S-2 (3')	Soluble	Solid	300.0	53281
880-28369-9	S-3 (0-1')	Soluble	Solid	300.0	53281
880-28369-10	S-3 (1.5')	Soluble	Solid	300.0	53281
880-28369-11	S-3 (2')	Soluble	Solid	300.0	53281
880-28369-12	S-3 (3')	Soluble	Solid	300.0	53281
880-28369-13	S-3 (4')	Soluble	Solid	300.0	53281
880-28369-14	S-4 (0-1')	Soluble	Solid	300.0	53281
880-28369-15	S-4 (1.5')	Soluble	Solid	300.0	53281
880-28369-16	S-4 (2')	Soluble	Solid	300.0	53281
880-28369-17	S-4 (3')	Soluble	Solid	300.0	53281
880-28369-18	S-4 (4')	Soluble	Solid	300.0	53281
880-28369-19	S-5 (0-1')	Soluble	Solid	300.0	53281
880-28369-20	S-5 (1.5')	Soluble	Solid	300.0	53281
880-28369-21	S-5 (2')	Soluble	Solid	300.0	53281
880-28369-22	S-5 (3')	Soluble	Solid	300.0	53281
880-28369-23	S-6 (0-1')	Soluble	Solid	300.0	53281
880-28369-24	S-6 (1.5')	Soluble	Solid	300.0	53281
880-28369-25	S-6 (2')	Soluble	Solid	300.0	53281
MB 880-53281/1-A	Method Blank	Soluble	Solid	300.0	53281
LCS 880-53281/2-A	Lab Control Sample	Soluble	Solid	300.0	53281
LCSD 880-53281/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53281
880-28369-6 MS	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-6 MSD	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-16 MS	S-4 (2')	Soluble	Solid	300.0	53281
880-28369-16 MSD	S-4 (2')	Soluble	Solid	300.0	53281

## Analysis Batch: 53354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-26	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-27	S-7 (0-1')	Soluble	Solid	300.0	53280
880-28369-28	S-7 (1.5')	Soluble	Solid	300.0	53280
880-28369-29	S-8 (0-1')	Soluble	Solid	300.0	53280
880-28369-30	S-8 (1.5')	Soluble	Solid	300.0	53280
880-28369-31	S-8 (2')	Soluble	Solid	300.0	53280
880-28369-32	S-8 (3')	Soluble	Solid	300.0	53280
880-28369-33	S-9 (0-1')	Soluble	Solid	300.0	53280
880-28369-34	S-9 (1.5')	Soluble	Solid	300.0	53280
880-28369-35	S-9 (2')	Soluble	Solid	300.0	53280
880-28369-36	S-9 (3')	Soluble	Solid	300.0	53280
880-28369-37	S-9 (4')	Soluble	Solid	300.0	53280
880-28369-38	S-10 (0-1')	Soluble	Solid	300.0	53280
880-28369-39	S-10 (1.5')	Soluble	Solid	300.0	53280
880-28369-40	S-10 (2')	Soluble	Solid	300.0	53280

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Analysis Batch: 53354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Soluble	Solid	300.0	53280
880-28369-42	S-10 (4')	Soluble	Solid	300.0	53280
880-28369-43	S-11 (0-1')	Soluble	Solid	300.0	53280
880-28369-44	S-11 (1.5')	Soluble	Solid	300.0	53280
880-28369-45	S-12 (0-1')	Soluble	Solid	300.0	53280
MB 880-53280/1-A	Method Blank	Soluble	Solid	300.0	53280
LCS 880-53280/2-A	Lab Control Sample	Soluble	Solid	300.0	53280
LCSD 880-53280/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53280
880-28369-26 MS	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-26 MSD	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-36 MS	S-9 (3')	Soluble	Solid	300.0	53280
880-28369-36 MSD	S-9 (3')	Soluble	Solid	300.0	53280

## Analysis Batch: 53394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Soluble	Solid	300.0	53282
880-28369-2	S-1 (1.5')	Soluble	Solid	300.0	53282
880-28369-3	S-1 (2')	Soluble	Solid	300.0	53282
880-28369-4	S-1 (3')	Soluble	Solid	300.0	53282
880-28369-5	S-2 (0-1')	Soluble	Solid	300.0	53282
MB 880-53282/1-A	Method Blank	Soluble	Solid	300.0	53282
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	300.0	53282
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53282
880-28368-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	53282
880-28368-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	53282

## Analysis Batch: 53395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-47	S-12 (2')	Soluble	Solid	300.0	53279
880-28369-48	S-12 (3')	Soluble	Solid	300.0	53279
880-28369-49	S-12 (4')	Soluble	Solid	300.0	53279
880-28369-50	S-13 (0-1')	Soluble	Solid	300.0	53279
880-28369-51	S-13 (1.5')	Soluble	Solid	300.0	53279
880-28369-52	S-13 (2')	Soluble	Solid	300.0	53279
880-28369-53	S-13 (3')	Soluble	Solid	300.0	53279
880-28369-54	S-13 (4')	Soluble	Solid	300.0	53279
880-28369-55	S-14 (0-1')	Soluble	Solid	300.0	53279
880-28369-56	S-14 (1.5')	Soluble	Solid	300.0	53279
880-28369-57	S-14 (2')	Soluble	Solid	300.0	53279
880-28369-58	S-14 (3')	Soluble	Solid	300.0	53279
880-28369-59	S-14 (4')	Soluble	Solid	300.0	53279
880-28369-60	S-15 (0-1')	Soluble	Solid	300.0	53279
880-28369-61	S-15 (1.5')	Soluble	Solid	300.0	53279
880-28369-62	S-15 (2')	Soluble	Solid	300.0	53279
880-28369-63	S-15 (3')	Soluble	Solid	300.0	53279
880-28369-64	S-15 (4')	Soluble	Solid	300.0	53279
880-28369-65	S-16 (0-1')	Soluble	Solid	300.0	53279
MB 880-53279/1-A	Method Blank	Soluble	Solid	300.0	53279
LCS 880-53279/2-A	Lab Control Sample	Soluble	Solid	300.0	53279
LCSD 880-53279/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53279

Eurofins Midland

### QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

#### HPLC/IC (Continued)

##### Analysis Batch: 53395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46 MS	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-46 MSD	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-56 MS	S-14 (1.5')	Soluble	Solid	300.0	53279
880-28369-56 MSD	S-14 (1.5')	Soluble	Solid	300.0	53279

##### Analysis Batch: 53401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-66	S-16 (1.5')	Soluble	Solid	300.0	53278
880-28369-67	S-16 (2')	Soluble	Solid	300.0	53278
880-28369-68	S-16 (3')	Soluble	Solid	300.0	53278
880-28369-69	S-16 (4')	Soluble	Solid	300.0	53278
MB 880-53278/1-A	Method Blank	Soluble	Solid	300.0	53278
LCS 880-53278/2-A	Lab Control Sample	Soluble	Solid	300.0	53278
LCSD 880-53278/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53278
880-28369-67 MS	S-16 (2')	Soluble	Solid	300.0	53278
880-28369-67 MSD	S-16 (2')	Soluble	Solid	300.0	53278



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 17:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 21:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:31	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 17:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 22:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:36	SMC	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:41	SMC	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-28369-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-1 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:47	SMC	EET MID

Client Sample ID: S-2 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-5  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:52	SMC	EET MID

Client Sample ID: S-2 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-6  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 08:48	CH	EET MID

Client Sample ID: S-2 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-7  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:15	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:05	CH	EET MID

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

Lab Sample ID: 880-28369-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:10	CH	EET MID

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

Lab Sample ID: 880-28369-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 20:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:15	CH	EET MID

## Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 20:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 01:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:21	CH	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28369-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 22:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:04	CH	EET MID

Client Sample ID: S-3 (3')

Lab Sample ID: 880-28369-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 22:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:09	CH	EET MID

Client Sample ID: S-3 (4')

Lab Sample ID: 880-28369-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:14	CH	EET MID

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

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:20	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28369-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:25	CH	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-28369-16

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:30	CH	EET MID

Client Sample ID: S-4 (3')

Lab Sample ID: 880-28369-17

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:12	SM	EET MID

Eurofins Midland



Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Client Sample ID: S-4 (3')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-17**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:46	CH	EET MID

**Client Sample ID: S-4 (4')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-18**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:52	CH	EET MID

**Client Sample ID: S-5 (0-1')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-19**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 01:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:08	CH	EET MID

**Client Sample ID: S-5 (1.5')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-20**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 01:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:13	CH	EET MID

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-5 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-21  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 21:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:19	CH	EET MID

Client Sample ID: S-5 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-22  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 22:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:24	CH	EET MID

Client Sample ID: S-6 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-23  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/15/23 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 16:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:29	CH	EET MID

Client Sample ID: S-6 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-24  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-6 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-24  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:35	CH	EET MID

Client Sample ID: S-6 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-25  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:40	CH	EET MID

Client Sample ID: S-6 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-26  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:23	CH	EET MID

Client Sample ID: S-7 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-27  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:33	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-28369-27

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 12:39	CH	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-28369-28

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/15/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 16:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 12:45	CH	EET MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-28369-29

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:50	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28369-30

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:55	CH	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 01:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:11	CH	EET MID

Client Sample ID: S-8 (3')

Lab Sample ID: 880-28369-32

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:17	CH	EET MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-28369-33

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53200	05/13/23 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53193	05/13/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 13:22	CH	EET MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53200	05/13/23 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID

Eurofins Midland



Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-34  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:27	CH	EET MID

Client Sample ID: S-9 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-35  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:33	CH	EET MID

Client Sample ID: S-9 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-36  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53200	05/13/23 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	53354	05/15/23 13:38	CH	EET MID

Client Sample ID: S-9 (4')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-37  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-9 (4')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-37  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:54	CH	EET MID

Client Sample ID: S-10 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-38  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53200	05/13/23 07:10	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53488	05/16/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53193	05/13/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		50			53354	05/15/23 14:00	CH	EET MID

Client Sample ID: S-10 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-39  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53200	05/13/23 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:16	CH	EET MID

Client Sample ID: S-10 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-40  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53200	05/13/23 07:52	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	53488	05/16/23 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-10 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:21	CH	EET MID

Client Sample ID: S-10 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:26	CH	EET MID

Client Sample ID: S-10 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-42

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:32	CH	EET MID

Client Sample ID: S-11 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53318	05/13/23 17:09	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Client Sample ID: S-11 (0-1')****Lab Sample ID: 880-28369-43****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:37	CH	EET MID

**Client Sample ID: S-11 (1.5')****Lab Sample ID: 880-28369-44****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 11:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:42	CH	EET MID

**Client Sample ID: S-12 (0-1')****Lab Sample ID: 880-28369-45****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:05	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:07	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 11:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53318	05/13/23 17:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:48	CH	EET MID

**Client Sample ID: S-12 (1.5')****Lab Sample ID: 880-28369-46****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:25	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:28	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-12 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-46  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 18:39	SMC	EET MID

Client Sample ID: S-12 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-47  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 18:55	SMC	EET MID

Client Sample ID: S-12 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-48  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:01	SMC	EET MID

Client Sample ID: S-12 (4')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-49  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID

Eurofins Midland



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Client Sample ID: S-12 (4')****Lab Sample ID: 880-28369-49****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:06	SMC	EET MID

**Client Sample ID: S-13 (0-1')****Lab Sample ID: 880-28369-50****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:45	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:48	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 19:11	SMC	EET MID

**Client Sample ID: S-13 (1.5')****Lab Sample ID: 880-28369-51****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:27	SMC	EET MID

**Client Sample ID: S-13 (2')****Lab Sample ID: 880-28369-52****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 14:57	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-13 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-52

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:33	SMC	EET MID

Client Sample ID: S-13 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:38	SMC	EET MID

Client Sample ID: S-13 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-54

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:43	SMC	EET MID

Client Sample ID: S-14 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:49	SMC	EET MID

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:54	SMC	EET MID

Client Sample ID: S-14 (2')

Lab Sample ID: 880-28369-57

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:10	SMC	EET MID

Client Sample ID: S-14 (3')

Lab Sample ID: 880-28369-58

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:27	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

## Client Sample ID: S-14 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

## Lab Sample ID: 880-28369-58

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:16	SMC	EET MID

## Client Sample ID: S-14 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

## Lab Sample ID: 880-28369-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 20:32	SMC	EET MID

## Client Sample ID: S-15 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

## Lab Sample ID: 880-28369-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53318	05/13/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:37	SMC	EET MID

## Client Sample ID: S-15 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

## Lab Sample ID: 880-28369-61

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:42	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-15 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-62  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/15/23 22:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:48	SMC	EET MID

Client Sample ID: S-15 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-63  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/15/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:53	SMC	EET MID

Client Sample ID: S-15 (4')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-64  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 04:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:58	SMC	EET MID

Client Sample ID: S-16 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-65  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID

Eurofins Midland



Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Client Sample ID: S-16 (0-1')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-65  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53324	05/15/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		20			53395	05/15/23 21:04	SMC	EET MID

Client Sample ID: S-16 (1.5')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-66  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53488	05/16/23 19:08	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53324	05/15/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:05	SMC	EET MID

Client Sample ID: S-16 (2')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-67  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53488	05/16/23 19:29	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53324	05/15/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:10	SMC	EET MID

Client Sample ID: S-16 (3')  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-68  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53337	05/15/23 14:18	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

**Client Sample ID: S-16 (3')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-68**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/16/23 00:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:26	SMC	EET MID

**Client Sample ID: S-16 (4')**  
**Date Collected: 05/11/23 00:00**  
**Date Received: 05/12/23 12:40**

**Lab Sample ID: 880-28369-69**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/16/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:31	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: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

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

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

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

## Sample Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28369-1	S-1 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-2	S-1 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-3	S-1 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-4	S-1 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-5	S-2 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-6	S-2 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-7	S-2 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-8	S-2 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-9	S-3 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-10	S-3 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-11	S-3 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-12	S-3 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-13	S-3 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-14	S-4 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-15	S-4 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-16	S-4 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-17	S-4 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-18	S-4 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-19	S-5 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-20	S-5 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-21	S-5 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-22	S-5 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-23	S-6 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-24	S-6 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-25	S-6 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-26	S-6 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-27	S-7 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-28	S-7 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-29	S-8 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-30	S-8 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-31	S-8 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-32	S-8 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-33	S-9 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-34	S-9 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-35	S-9 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-36	S-9 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-37	S-9 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-38	S-10 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-39	S-10 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-40	S-10 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-41	S-10 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-42	S-10 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-43	S-11 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-44	S-11 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-45	S-12 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-46	S-12 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-47	S-12 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-48	S-12 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-49	S-12 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-50	S-13 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-51	S-13 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-52	S-13 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-53	S-13 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-54	S-13 (4')	Solid	05/11/23 00:00	05/12/23 12:40



Sample Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1  
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28369-55	S-14 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-56	S-14 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-57	S-14 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-58	S-14 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-59	S-14 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-60	S-15 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-61	S-15 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-62	S-15 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-63	S-15 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-64	S-15 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-65	S-16 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-66	S-16 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-67	S-16 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-68	S-16 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-69	S-16 (4')	Solid	05/11/23 00:00	05/12/23 12:40

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

Work Order No: 28369

Page 1 of 7

Project Manager:	Conner Moehring	Bill to (if different):	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST																Preservative Codes									
Project Number:		2026		<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		FV																				HCL HC HNO <sub>3</sub> HN									
PO #:																						H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na									
<b>SAMPLE RECEIPT</b>		Temp Blank.		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																		H <sub>3</sub> PO <sub>4</sub> HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID		= 30																		NaHSO <sub>4</sub> NABIS							
Cooler Custody Seals.		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor		= 30																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading		32																		Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature		2.9																		NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
S-1 (0-1')		5/11/2023				X				Grab/		1																		402	
S-1 (1-5')		5/11/2023				X				Grab/		1																			
S-1 (2')		5/11/2023				X				Grab/		1																			
S-1 (3')		5/11/2023				X				Grab/		1																			
S-2 (0-1')		5/11/2023				X				Grab/		1																			
S-2 (1-5')		5/11/2023				X				Grab/		1																			
S-2 (2')		5/11/2023				X				Grab/		1																			
S-2 (3')		5/11/2023				X				Grab/		1																			
S-3 (0-1')		5/11/2023				X				Grab/		1																			
S-3 (1-5')		5/11/2023				X				Grab/		1																			



880-28369 Chain of Custody

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

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
Fabian Vargas		5/12/23 1210		[Signature]			

Work Order No: 28369

Page 2 of 7

Project Manager:	Conner Moehring	Bill to (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name	EOG Resources
Address:	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2026		<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		Parameters	BTX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500																	Cool Cool MeOH Me			
Sampler's Name		FV																				HCL HC HNO <sub>3</sub> HN									
PO #:																						H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na									
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice.						Yes No																		H <sub>3</sub> PO <sub>4</sub> HP	
Received Intact:		Yes No		Thermometer ID																								NaHSO <sub>4</sub> NABIS			
Cooler Custody Seals.		Yes No N/A		Correction Factor:																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals.		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-3 (2')		5/11/2023				X				Grab/		1		X X X																	
S-3 (3')		5/11/2023				X				Grab/		1		X X X																	
S-3 (4')		5/11/2023				X				Grab/		1		X X X																	
S-4 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-4 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-4 (2')		5/11/2023				X				Grab/		1		X X X																	
S-4 (3')		5/11/2023				X				Grab/		1		X X X																	
S-4 (3 5')		5/11/2023				X				Grab/		1		X X X																	
S-5 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-5 (1 5')		5/11/2023				X				Grab/		1		X X X																	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Fabian Vargas		5/12/23 1240		[Signature]			

Work Order No: 28369

Page 3 of 7

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEx 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 300.0																	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		FV																											HCL HC	HNO <sub>3</sub> HN	
PO #																													H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na	
<b>SAMPLE RECEIPT</b>				Temp Blank.		Yes No		Wet Ice		Yes No																		H <sub>3</sub> PO <sub>4</sub> HP			
Received Intact:				Yes No		N/A		Thermometer ID																				NaHSO <sub>4</sub> NABIS			
Cooler Custody Seals				Yes No		N/A		Correction Factor																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>			
Sample Custody Seals				Yes No		N/A		Temperature Reading																				Zn Acetate+NaOH Zn			
Total Containers								Corrected Temperature.																				NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-5 (2')		5/11/2023				X				Grab/		1		X X X																	
S-5 (3')		5/11/2023				X				Grab/		1		X X X																	
S-6 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-6 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-6 (2')		5/11/2023				X				Grab/		1		X X X																	
S-6 (3')		5/11/2023				X				Grab/		1		X X X																	
S-7 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-7 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-8 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-8 (1 5')		5/11/2023				X				Grab/		1		X X X																	

--	--	--	--

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
Fabian Vargas		5/12/23 1240					

Work Order No: 18369

Page 4 of 7

Project Manager:	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address.	310 W Wall St Ste 500	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																		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		FV																						HCL HC HNO <sub>3</sub> HN							
PO #:																								H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice		Yes No																		H <sub>3</sub> PO <sub>4</sub> HP					
Received Intact:		Yes No		Thermometer ID																				NaHSO <sub>4</sub> NABIS							
Cooler Custody Seals		Yes No N/A		Correction Factor																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals.		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-8 (2')		5/11/2023				X				Grab/		1		X X X																	
S-8 (3')		5/11/2023				X				Grab/		1		X X X																	
S-9 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-9 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-9 (2')		5/11/2023				X				Grab/		1		X X X																	
S-9 (3')		5/11/2023				X				Grab/		1		X X X																	
S-9 (4')		5/11/2023				X				Grab/		1		X X X																	
S-10 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-10 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-10 (2')		5/11/2023				X				Grab/		1		X X X																	

--	--	--	--

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
Todd Wells		5/12/23		[Signature]			
		1240					



Work Order No: 28369

Page 5 of 7

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes											
Project Number		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date		72 hours		Parameters		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0																		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		FV																																HCL HC HNO <sub>3</sub> . HN	
PO #:																																		H <sub>2</sub> SO <sub>4</sub> . H <sub>2</sub> NaOH Na	
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No																										H <sub>3</sub> PO <sub>4</sub> HP	
Received Intact:		Yes No		Thermometer ID:																														NaHSO <sub>4</sub> NABIS	
Cooler Custody Seals.		Yes No N/A		Correction Factor:																														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	
Sample Custody Seals		Yes No N/A		Temperature Reading																														Zn Acetate+NaOH Zn	
Total Containers.				Corrected Temperature.																														NaOH+Ascorbic Acid SAPC	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																						Sample Comments	
S-10 (3')		5/11/2023				X				Grab/		1		X		X																			
S-10 (4')		5/11/2023				X				Grab/		1		X		X																			
S-11 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-11 (1-5')		5/11/2023				X				Grab/		1		X		X																			
S-12 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-12(1-5')		5/11/2023				X				Grab/		1		X		X																			
S-12 (2')		5/11/2023				X				Grab/		1		X		X																			
S-12 (3')		5/11/2023				X				Grab/		1		X		X																			
S-12 (4')		5/11/2023				X				Grab/		1		X		X																			
S-13 (0-1')		5/11/2023				X				Grab/		1		X		X																			

--	--	--	--

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Farlan Vargas</u>	<u>5/12/23</u> <u>1240</u>	<u>[Signature]</u>	

Work Order No: 28369

Page 6 of 7

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														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		FV																		HCL HC HNO <sub>3</sub> HN							
PO #:																				H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No														H <sub>3</sub> PO <sub>4</sub> HP					
Received Intact:		Yes No		Thermometer ID																NaHSO <sub>4</sub> NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals.		Yes No N/A		Temperature Reading																Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature.																NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-13 (1'5')		5/11/2023				X				Grab/		1		X X X													
S-13 (2')		5/11/2023				X				Grab/		1		X X X													
S-13 (3')		5/11/2023				X				Grab/		1		X X X													
S-13 (4')		5/11/2023				X				Grab/		1		X X X													
S-14 (0-1')		5/11/2023				X				Grab/		1		X X X													
S-14 (1'5')		5/11/2023				X				Grab/		1		X X X													
S-14 (2')		5/11/2023				X				Grab/		1		X X X													
S-14 (3')		5/11/2023				X				Grab/		1		X X X													
S-14 (4')		5/11/2023				X				Grab/		1		X X X													
S-15 (0-1')		5/11/2023				X				Grab/		1		X X X													

--	--	--	--

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Fabian Vargas</u>	<u>5/12/23</u> <u>1240</u>	<u>[Signature]</u>	

Work Order No: 28369

Page 7 of 7

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number		2026		<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		FV																					HCL HC HNO <sub>3</sub> HN								
PO #:																							H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na								
<b>SAMPLE RECEIPT</b>		Temp Blank.		Yes No		Wet Ice.		Yes No		Parameters	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 300.0																	H <sub>3</sub> PO <sub>4</sub> HP	
Received Intact:		Yes No		Thermometer ID																				NaHSO <sub>4</sub> NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-15 (1 5')		5/11/2023				X				Grab/		1																			
S-15 (2')		5/11/2023				X				Grab/		1																			
S-15 (3')		5/11/2023				X				Grab/		1																			
S-15 (4')		5/11/2023				X				Grab/		1																			
S-16 (0-1')		5/11/2023				X				Grab/		1																			
S-16 (1 5')		5/11/2023				X				Grab/		1																			
S-16 (2')		5/11/2023				X				Grab/		1																			
S-16 (3')		5/11/2023				X				Grab/		1																			
S-16 (4')		5/11/2023				X				Grab/		1																			

Loc: 880  
28369

Relinquished by (Signature)				Date/Time		Received by (Signature)				Date/Time	
<i>Fabian Vargas</i>				5/17/23 1240		<i>[Signature]</i>					

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28369-1  
SDG Number: Lea County, NM

Login Number: 28369

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 5/16/2023 1:38:50 PM

## JOB DESCRIPTION

Beowulf 33 State CTB  
SDG NUMBER Lea County, NM

## JOB NUMBER

880-28368-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
5/16/2023 1:38:50 PM

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

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Laboratory Job ID: 880-28368-1  
SDG: Lea County, NM

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
Surrogate Summary . . . . .	18
QC Sample Results . . . . .	20
QC Association Summary . . . . .	25
Lab Chronicle . . . . .	29
Certification Summary . . . . .	34
Method Summary . . . . .	35
Sample Summary . . . . .	36
Chain of Custody . . . . .	37
Receipt Checklists . . . . .	39

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

Definitions/Glossary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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
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.
α	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/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Job ID: 880-28368-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-28368-1
-----------	------------------------------

Receipt

The samples were received on 5/12/2023 12:40 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 2.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5) (880-28368-1), H-2 (0-0.5) (880-28368-2), H-3 (0-0.5) (880-28368-3), H-4 (0-0.5) (880-28368-4), H-5 (0-0.5) (880-28368-5), H-6 (0-0.5) (880-28368-6), H-7 (0-0.5) (880-28368-7), H-8 (0-0.5) (880-28368-8), H-9 (0-0.5) (880-28368-9), H-10 (0-0.5) (880-28368-10), H-11 (0-0.5) (880-28368-11), H-12 (0-0.5) (880-28368-12), H-13 (0-0.5) (880-28368-13), H-14 (0-0.5) (880-28368-14) and H-15 (0-0.5) (880-28368-15).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53199/20) and (CCV 880-53199/33).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53262 and analytical batch 880-53199 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-53262/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53282, 880-53282, 880-53282 and 880-53282 and analytical batch 880-53394 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: H-11 (0-0.5) (880-28368-11), H-12 (0-0.5) (880-28368-12), H-13 (0-0.5) (880-28368-13), H-14 (0-0.5) (880-28368-14), H-15 (0-0.5) (880-28368-15), (880-28368-A-11-F MS) and (880-28368-A-11-D MSD).

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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				05/12/23 13:10	05/13/23 05:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/12/23 13:10	05/13/23 05:03	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 21:28	05/13/23 11:14	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.9		4.97		mg/Kg			05/15/23 21:28	1

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

Lab Sample ID: 880-28368-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/12/23 13:10	05/13/23 05:24	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 05:24	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	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			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/12/23 21:28	05/13/23 12:21	1
o-Terphenyl	96		70 - 130				05/12/23 21:28	05/13/23 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.4		5.03		mg/Kg			05/15/23 21:44	1

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

Lab Sample ID: 880-28368-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 05:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 05:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/12/23 21:28	05/13/23 12:43	1
o-Terphenyl	81		70 - 130				05/12/23 21:28	05/13/23 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.5		5.02		mg/Kg			05/15/23 21:49	1

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

Lab Sample ID: 880-28368-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/12/23 13:10	05/13/23 06:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130				05/12/23 13:10	05/13/23 06:05	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 21:28	05/13/23 13:05	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.97		mg/Kg			05/15/23 21:54	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Toluene	0.00479		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Ethylbenzene	0.00388		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
m-Xylene & p-Xylene	0.0160		0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
o-Xylene	0.00513		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Xylenes, Total	0.0211		0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:10	05/13/23 06:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/12/23 13:10	05/13/23 06:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0298		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/12/23 21:28	05/13/23 13:27	1
o-Terphenyl	94		70 - 130	05/12/23 21:28	05/13/23 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		5.01		mg/Kg			05/15/23 22:00	1

Client Sample ID: H-6 (0-0.5)

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Toluene	0.00399		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/12/23 13:10	05/13/23 06:45	1
1,4-Difluorobenzene (Surr)	112		70 - 130	05/12/23 13:10	05/13/23 06:45	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-6 (0-0.5)

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00399		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/12/23 21:28	05/13/23 13:49	1
o-Terphenyl	88		70 - 130				05/12/23 21:28	05/13/23 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.4		4.95		mg/Kg			05/15/23 22:16	1

Client Sample ID: H-7 (0-0.5)

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/12/23 13:10	05/13/23 07:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/12/23 13:10	05/13/23 07:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	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			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:12	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-7 (0-0.5)

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

## 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		05/12/23 21:28	05/13/23 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/12/23 21:28	05/13/23 14:12	1
o-Terphenyl	99		70 - 130				05/12/23 21:28	05/13/23 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.96		mg/Kg			05/15/23 22:21	1

Client Sample ID: H-8 (0-0.5)

Lab Sample ID: 880-28368-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/12/23 13:10	05/13/23 07:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	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			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/23 21:28	05/13/23 14:35	1
o-Terphenyl	104		70 - 130				05/12/23 21:28	05/13/23 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374		5.05		mg/Kg			05/15/23 22:26	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-9 (0-0.5)

Lab Sample ID: 880-28368-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 07:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/12/23 13:10	05/13/23 07:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:10	05/13/23 07:47	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			05/15/23 15:51	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			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	05/12/23 21:28	05/13/23 14:57	1
o-Terphenyl	77		70 - 130	05/12/23 21:28	05/13/23 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	419		25.3		mg/Kg			05/15/23 22:32	5

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 08:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/12/23 13:10	05/13/23 08:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:10	05/13/23 08:07	1

Eurofins Midland



## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/12/23 21:28	05/13/23 15:19	1
o-Terphenyl	90		70 - 130				05/12/23 21:28	05/13/23 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		24.9		mg/Kg			05/15/23 22:37	5

Client Sample ID: H-11 (0-0.5)

Lab Sample ID: 880-28368-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Toluene	0.0142		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Ethylbenzene	0.00796		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
m-Xylene & p-Xylene	0.0207		0.00398		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
o-Xylene	0.00684		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Xylenes, Total	0.0275		0.00398		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/12/23 13:10	05/13/23 09:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:10	05/13/23 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0497		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.9		49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1
Diesel Range Organics (Over C10-C28)	99.9		49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-11 (0-0.5)

Lab Sample ID: 880-28368-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/12/23 21:28	05/13/23 16:03	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461	F1	25.2		mg/Kg			05/15/23 22:42	5

Client Sample ID: H-12 (0-0.5)

Lab Sample ID: 880-28368-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0102	*+	0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Toluene	0.270		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Ethylbenzene	0.0969		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
m-Xylene & p-Xylene	0.220		0.00399		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
o-Xylene	0.0641		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Xylenes, Total	0.284		0.00399		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:10	05/13/23 10:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/12/23 13:10	05/13/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.661		0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	247		49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Diesel Range Organics (Over C10-C28)	247		49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/12/23 21:28	05/13/23 16:24	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		5.01		mg/Kg			05/15/23 22:58	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-13 (0-0.5)

Lab Sample ID: 880-28368-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Toluene	0.0175		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Ethylbenzene	0.00730		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
m-Xylene & p-Xylene	0.0175		0.00402		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
o-Xylene	0.00601		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Xylenes, Total	0.0235		0.00402		mg/Kg		05/12/23 13:10	05/13/23 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/12/23 13:10	05/13/23 10:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/12/23 13:10	05/13/23 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0483		0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	05/12/23 21:28	05/13/23 16:44	1
o-Terphenyl	88		70 - 130	05/12/23 21:28	05/13/23 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.97		mg/Kg			05/15/23 23:04	1

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Toluene	0.00605		0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
m-Xylene & p-Xylene	0.00438		0.00398		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
o-Xylene	0.00243		0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Xylenes, Total	0.00681		0.00398		mg/Kg		05/12/23 13:10	05/13/23 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/12/23 13:10	05/13/23 10:59	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/12/23 13:10	05/13/23 10:59	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0129		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.1		50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Diesel Range Organics (Over C10-C28)	97.1		50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/12/23 21:28	05/13/23 17:04	1
o-Terphenyl	86		70 - 130				05/12/23 21:28	05/13/23 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.2		4.96		mg/Kg			05/15/23 23:20	1

Client Sample ID: H-15 (0-0.5)

Lab Sample ID: 880-28368-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/12/23 13:10	05/13/23 11:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/23 13:10	05/13/23 11:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	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			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-15 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-15  
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 21:28	05/13/23 17:25	1
o-Terphenyl	90		70 - 130				05/12/23 21:28	05/13/23 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.03		mg/Kg			05/15/23 23:25	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-28368-1	H-1 (0-0.5)	84	92				
880-28368-1 MS	H-1 (0-0.5)	110	119				
880-28368-1 MSD	H-1 (0-0.5)	99	94				
880-28368-2	H-2 (0-0.5)	119	107				
880-28368-3	H-3 (0-0.5)	107	107				
880-28368-4	H-4 (0-0.5)	114	112				
880-28368-5	H-5 (0-0.5)	115	102				
880-28368-6	H-6 (0-0.5)	108	112				
880-28368-7	H-7 (0-0.5)	117	101				
880-28368-8	H-8 (0-0.5)	104	107				
880-28368-9	H-9 (0-0.5)	111	106				
880-28368-10	H-10 (0-0.5)	116	107				
880-28368-11	H-11 (0-0.5)	91	90				
880-28368-12	H-12 (0-0.5)	99	95				
880-28368-13	H-13 (0-0.5)	88	94				
880-28368-14	H-14 (0-0.5)	117	110				
880-28368-15	H-15 (0-0.5)	108	103				
LCS 880-53262/1-A	Lab Control Sample	98	136 S1+				
LCSD 880-53262/2-A	Lab Control Sample Dup	107	113				
MB 880-53262/5-A	Method Blank	94	105				
MB 880-53263/5-A	Method Blank	97	108				
<b>Surrogate Legend</b>							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-28368-1	H-1 (0-0.5)	96	91				
880-28368-1 MS	H-1 (0-0.5)	93	78				
880-28368-1 MSD	H-1 (0-0.5)	91	80				
880-28368-2	H-2 (0-0.5)	99	96				
880-28368-3	H-3 (0-0.5)	86	81				
880-28368-4	H-4 (0-0.5)	96	91				
880-28368-5	H-5 (0-0.5)	97	94				
880-28368-6	H-6 (0-0.5)	89	88				
880-28368-7	H-7 (0-0.5)	105	99				
880-28368-8	H-8 (0-0.5)	109	104				
880-28368-9	H-9 (0-0.5)	79	77				
880-28368-10	H-10 (0-0.5)	93	90				
880-28368-11	H-11 (0-0.5)	94	91				
880-28368-12	H-12 (0-0.5)	93	91				
880-28368-13	H-13 (0-0.5)	89	88				
880-28368-14	H-14 (0-0.5)	90	86				
880-28368-15	H-15 (0-0.5)	96	90				
LCS 880-53307/2-A	Lab Control Sample	108	100				

Eurofins Midland



Surrogate Summary

Client: Carmona Resources

Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1

SDG: Lea County, NM

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)
LCSD 880-53307/3-A	Lab Control Sample Dup	105	92
MB 880-53307/1-A	Method Blank	122	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53262/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:10	05/13/23 04:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/23 13:10	05/13/23 04:35	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:10	05/13/23 04:35	1

Lab Sample ID: LCS 880-53262/1-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1549	*+	mg/Kg		155	70 - 130
Toluene	0.100	0.1236		mg/Kg		124	70 - 130
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1100		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130

Lab Sample ID: LCSD 880-53262/2-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1417	*+	mg/Kg		142	70 - 130	9	35
Toluene	0.100	0.1246		mg/Kg		125	70 - 130	1	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130	5	35
o-Xylene	0.100	0.1178		mg/Kg		118	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *	0.0998	0.1249		mg/Kg		125	70 - 130
Toluene	<0.00199	U	0.0998	0.1001		mg/Kg		100	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.09128		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1998		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1001		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *	0.0990	0.1108		mg/Kg		112	70 - 130	12	35
Toluene	<0.00199	U	0.0990	0.1088		mg/Kg		110	70 - 130	8	35
Ethylbenzene	<0.00199	U	0.0990	0.09394		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1839		mg/Kg		93	70 - 130	8	35
o-Xylene	<0.00199	U	0.0990	0.08971		mg/Kg		90	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-53263/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/12/23 13:21	05/12/23 16:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/12/23 13:21	05/12/23 16:59	1

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

Lab Sample ID: MB 880-53307/1-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53307/1-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:28	05/13/23 08:32	1
o-Terphenyl	125		70 - 130				05/12/23 21:28	05/13/23 08:32	1

Lab Sample ID: LCS 880-53307/2-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	783.3		mg/Kg		78	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-53307/3-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.7		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	795.6		mg/Kg		80	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53315

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

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	963.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	904.6		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	78		70 - 130						

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53315

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

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	934.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	917.4		mg/Kg		89	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	80		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53282/1-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 21:12	1

Lab Sample ID: LCS 880-53282/2-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-53282/3-A

Matrix: Solid

Analysis Batch: 53394

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	258.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53394

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	56.9		249	306.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53394

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	56.9		249	306.1		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28368-11 MS										Client Sample ID: H-11 (0-0.5)				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 53394														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	461	F1	1260	1474	F1	mg/Kg		81	90 - 110					

Lab Sample ID: 880-28368-11 MSD										Client Sample ID: H-11 (0-0.5)				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 53394														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	461	F1	1260	1476	F1	mg/Kg		81	90 - 110	0	20			



## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 53199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8021B	53262
MB 880-53262/5-A	Method Blank	Total/NA	Solid	8021B	53262
MB 880-53263/5-A	Method Blank	Total/NA	Solid	8021B	53263
LCS 880-53262/1-A	Lab Control Sample	Total/NA	Solid	8021B	53262
LCSD 880-53262/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53262
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8021B	53262

## Prep Batch: 53262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	5035	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	5035	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	5035	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	5035	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	5035	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	5035	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	5035	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	5035	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	5035	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	5035	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	5035	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	5035	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	5035	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	5035	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	5035	
MB 880-53262/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53262/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53262/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	5035	
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	5035	

## Prep Batch: 53263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53263/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

## GC VOA

## Analysis Batch: 53410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 53307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 53315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015B NM	53307

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 53315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015B NM	53307
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015B NM	53307
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53307
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53307
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307

## Analysis Batch: 53374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 53282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-2	H-2 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-3	H-3 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-4	H-4 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-5	H-5 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-6	H-6 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-7	H-7 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-8	H-8 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-9	H-9 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-10	H-10 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11	H-11 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-12	H-12 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-13	H-13 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-14	H-14 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-15	H-15 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-53282/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

## HPLC/IC (Continued)

## Leach Batch: 53282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28368-1 MS	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-1 MSD	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11 MS	H-11 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11 MSD	H-11 (0-0.5)	Soluble	Solid	DI Leach	

## Analysis Batch: 53394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-2	H-2 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-3	H-3 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-4	H-4 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-5	H-5 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-6	H-6 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-7	H-7 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-8	H-8 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-9	H-9 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-10	H-10 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11	H-11 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-12	H-12 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-13	H-13 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-14	H-14 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-15	H-15 (0-0.5)	Soluble	Solid	300.0	53282
MB 880-53282/1-A	Method Blank	Soluble	Solid	300.0	53282
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	300.0	53282
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53282
880-28368-1 MS	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-1 MSD	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11 MS	H-11 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11 MSD	H-11 (0-0.5)	Soluble	Solid	300.0	53282

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-1 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 11:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:28	SMC	EET MID

Client Sample ID: H-2 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 12:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:44	SMC	EET MID

Client Sample ID: H-3 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 12:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:49	SMC	EET MID

Client Sample ID: H-4 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:54	SMC	EET MID

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

Lab Sample ID: 880-28368-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:00	SMC	EET MID

Client Sample ID: H-6 (0-0.5)

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:16	SMC	EET MID

Client Sample ID: H-7 (0-0.5)

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:12	SM	EET MID

Eurofins Midland



## Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

## Client Sample ID: H-7 (0-0.5)

## Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:21	SMC	EET MID

## Client Sample ID: H-8 (0-0.5)

## Lab Sample ID: 880-28368-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:35	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:26	SMC	EET MID

## Client Sample ID: H-9 (0-0.5)

## Lab Sample ID: 880-28368-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:32	SMC	EET MID

## Client Sample ID: H-10 (0-0.5)

## Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 08:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:37	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-11 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-11  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 09:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:42	SMC	EET MID

Client Sample ID: H-12 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-12  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:58	SMC	EET MID

Client Sample ID: H-13 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-13  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:04	SMC	EET MID

Client Sample ID: H-14 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-14  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Client Sample ID: H-14 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-14  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:20	SMC	EET MID

Client Sample ID: H-15 (0-0.5)  
Date Collected: 05/11/23 00:00  
Date Received: 05/12/23 12:40

Lab Sample ID: 880-28368-15  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 11:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:25	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: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources  
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1  
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28368-1	H-1 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-2	H-2 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-3	H-3 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-4	H-4 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-5	H-5 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-6	H-6 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-7	H-7 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-8	H-8 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-9	H-9 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-10	H-10 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-11	H-11 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-12	H-12 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-13	H-13 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-14	H-14 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-15	H-15 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40

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

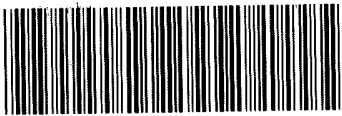


Work Order No: 28368

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None NO DI Water: H <sub>2</sub> O							
Project Location		Lea County, NM		Due Date		72Hrs																Cool Cool MeOH Me					
Sampler's Name		FV/KB																				HCL HC HNO <sub>3</sub> HN					
PO #																						H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na					
SAMPLE RECEIPT		Temp Blank		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters														H <sub>3</sub> PO <sub>4</sub> HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID		I-28				BTEX 8021B														NaHSO <sub>4</sub> NABIS			
Cooler Custody Seals.		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor		-30				TPH 8015M (GRO + DRO + MRO)														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>			
Sample Custody Seals		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading		3.2				Chloride 300														Zn Acetate+NaOH Zn			
Total Containers.				Corrected Temperature		2.9																		NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
H-1 (0-0 5')		5/11/2023				X				G		1		X X X												402	
H-2 (0-0 5')		5/11/2023				X				G		1		X X X													
H-3 (0-0 5')		5/11/2023				X				G		1		X X X													
H-4 (0-0 5')		5/11/2023				X				G		1		X X X													
H-5 (0-0 5')		5/11/2023				X				G		1		X X X													
H-6 (0-0 5')		5/11/2023				X				G		1		X X X													
H-7 (0-0 5')		5/11/2023				X				G		1		X X X													
H-8 (0-0 5')		5/11/2023				X				G		1		X X X													
H-9 (0-0 5')		5/11/2023				X				G		1		X X X													
H-10 (0-0 5')		5/11/2023				X				G		1		X X X													



880-28368 Chain of Custody

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Fabian Vargas		5/12/23 1240		[Signature]			

**Work Order No:**

Page 2 of 2

Project Manager	Conner Moehring	Bill to* (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

[illegible]

Comments Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Fabian Vargas	5/12/23 1240	[Signature]	

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28368-1  
SDG Number: Lea County, NM

Login Number: 28368

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



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

---

April 24, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/23/24 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/23/2024  
 Reported: 04/24/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/23/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 12 ( 0-0.5' ) (H242164-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2024	ND	2.10	105	2.00	0.222	
Toluene*	<0.050	0.050	04/23/2024	ND	2.05	102	2.00	0.891	
Ethylbenzene*	<0.050	0.050	04/23/2024	ND	2.08	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	04/23/2024	ND	6.22	104	6.00	1.06	
Total BTX	<0.300	0.300	04/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/24/2024	ND	448	112	400	3.51	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2024	ND	211	105	200	2.99	
DRO >C10-C28*	<10.0	10.0	04/23/2024	ND	217	108	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	04/23/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte



PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Celey D. Keene, Lab Director/Quality Manager



Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-23-24 1538		



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

---

April 09, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/08/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 1 (4') (H241809-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 2 (4') (H241809-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 3 (4') (H241809-03)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 4 (4') (H241809-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 5 (4') (H241809-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 6 (4') (H241809-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 7 (4') (H241809-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 8 (4') (H241809-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 9 (4') (H241809-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 10 (4') (H241809-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	17.5	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 11 (4.5') (H241809-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 12 (4.5') (H241809-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 13 (4.5') (H241809-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 14 (4.5') (H241809-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 15 (4.5') (H241809-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 16 (4.5') (H241809-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.14	102	6.00	3.72		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 17 (4.5') (H241809-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/09/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/09/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 18 (4.5') (H241809-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/09/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.14	102	6.00	3.72	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	04/09/2024	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: CS - 19 (4.5') (H241809-19)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.04	102	2.00	3.25	
Toluene*	<0.050	0.050	04/09/2024	ND	2.06	103	2.00	3.62	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.01	100	2.00	4.16	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.14	102	6.00	3.72	
Total BTX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/09/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -1 (4') (H241809-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.04	102	2.00	3.25		
Toluene*	<0.050	0.050	04/09/2024	ND	2.06	103	2.00	3.62		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.01	100	2.00	4.16		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.14	102	6.00	3.72		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	209	104	200	2.05	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	208	104	200	3.90	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -2 (4') (H241809-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEx	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -3 (4') (H241809-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEx	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -4 (4.5') (H241809-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -5 (4.5') (H241809-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEx	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -6 (4.5') (H241809-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEx	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -7 (4.5') (H241809-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -8 (4.5') (H241809-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -9 (4.5') (H241809-28)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73	
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/08/2024  
 Reported: 04/09/2024  
 Project Name: BEOWULF 33 STATE CTB  
 Project Number: 2026  
 Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: SW -10 (4.5') (H241809-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.06	103	2.00	5.73		
Toluene*	<0.050	0.050	04/08/2024	ND	2.19	109	2.00	4.46		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.24	112	2.00	5.33		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.71	112	6.00	4.98		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3      Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H241809

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number: 2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	<div style="display: flex; justify-content: space-between;"> <div>BTEX 8021B</div> <div>TPH 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>																None: NO DI Water: H <sub>2</sub> O			
Project Location: Lea County, New Mexico		Due Date: 24 hours																				Cool: Cool MeOH: Me			
Sampler's Name: MM																						HCL: HC HNO <sub>3</sub> : HN			
PO #:																					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na				
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																		H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 11210																		NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor: —																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading: 3.7°C																		Zn Acetate+NaOH: Zn					
Total Containers: 24		Corrected Temperature: —																		NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
1 CS-1 (4')		4/8/2024		X		Comp	1	X	X	X															
2 CS-2 (4')		4/8/2024		X		Comp	1	X	X	X															
3 CS-3 (4')		4/8/2024		X		Comp	1	X	X	X															
4 CS-4 (4')		4/8/2024		X		Comp	1	X	X	X															
5 CS-5 (4')		4/8/2024		X		Comp	1	X	X	X															
6 CS-6 (4')		4/8/2024		X		Comp	1	X	X	X															
7 CS-7 (4')		4/8/2024		X		Comp	1	X	X	X															
8 CS-8 (4')		4/8/2024		X		Comp	1	X	X	X															
9 CS-9 (4')		4/8/2024		X		Comp	1	X	X	X															
10 CS-10 (4')		4/8/2024		X		Comp	1	X	X	X															

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

See pg 3 of 4

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
					4-8-24/14:00



Chain of Custody

Work Order No: H241809

Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M ( GRO + DRO + MRO ) Chloride 4500																None: NO		DI Water: H <sub>2</sub> O			
Project Location:		Lea County, New Mexico		Due Date:																				(24 hours)		Cool: Cool		MeOH: Me	
Sampler's Name:		MM		Thermometer ID:																				140		HCL: HC		HNO <sub>3</sub> : HN	
PO #:				Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor:		2.70		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na															
SAMPLE RECEIPT		Temp Blank:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Temperature Reading:		2.70		Corrected Temperature:		H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS															
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Total Containers:		31						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		Zn Acetate+NaOH: Zn															
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A										NaOH+Ascorbic Acid: SAPC																	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																											
Total Containers:		31																											
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Sample Comments															
11 CS-11 (4.5')		4/8/2024				X				Comp		1		X X X															
12 CS-12 (4.5')		4/8/2024				X				Comp		1		X X X															
13 CS-13 (4.5')		4/8/2024				X				Comp		1		X X X															
14 CS-14 (4.5')		4/8/2024				X				Comp		1		X X X															
15 CS-15 (4.5')		4/8/2024				X				Comp		1		X X X															
16 CS-16 (4.5')		4/8/2024				X				Comp		1		X X X															
17 CS-17 (4.5')		4/8/2024				X				Comp		1		X X X															
18 CS-18 (4.5')		4/8/2024				X				Comp		1		X X X															
19 CS-19 (4.5')		4/8/2024				X				Comp		1		X X X															
20 SW-1 (4')		4/8/2024				X				Comp		1		X X X															

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

See pg 3 DH

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
						4/8/24/14:00	



# Chain of Custody

Work Order No: H241809

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea County, New Mexico		Due Date:		24 hours														Cool: Cool MeOH: Me							
Sampler's Name:		MM																		HCL: HC HNO <sub>3</sub> : HN							
PO #:																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		140														NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		27°C														Zn Acetate+NaOH: Zn							
Total Containers:		29		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
SW-2 (4')		4/8/2024				X				Comp		1		X X X													
SW-3 (4')		4/8/2024				X				Comp		1		X X X													
SW-4 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-5 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-6 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-7 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-8 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-9 (4.5')		4/8/2024				X				Comp		1		X X X													
SW-10 (4.5')		4/8/2024				X				Comp		1		X X X													

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

Client request CL300 be changed to CL4500  
see email for confirmation. dt  
4-8-24

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-8-24/14:00



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

---

April 17, 2024

DEVIN DOMINGUEZ

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 20 ( 4.5' ) (H242012-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	70.1	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	12.7	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 21 ( 4.5' ) (H242012-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/17/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	150	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	36.5	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 22 ( 4.5' ) (H242012-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	04/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	35.3	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 23 ( 3.0' ) (H242012-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22		
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/17/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 24 ( 3.0' ) (H242012-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22		
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/17/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 25 ( 3.0' ) (H242012-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 26 ( 3.0' ) (H242012-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22		
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 27 ( 3.0' ) (H242012-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 11 ( 4.5' ) (H242012-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 12 ( 4.5' ) (H242012-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 13 ( 1.5' ) (H242012-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22		
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 14 ( 4.5' ) (H242012-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 15 ( 4.5' ) (H242012-13)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 16 ( 3.0' ) (H242012-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 17 ( 3.0' ) (H242012-15)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 18 ( 1.5' ) (H242012-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22		
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 19 ( 3.0' ) (H242012-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 20 ( 3.0' ) (H242012-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 21 ( 3.0' ) (H242012-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 22 ( 3.0' ) (H242012-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	2.22	
Toluene*	<0.050	0.050	04/17/2024	ND	2.17	109	2.00	2.70	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.20	110	2.00	3.91	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.50	108	6.00	3.97	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	194	96.8	200	4.87	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	190	95.1	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 23 ( 3.0' ) (H242012-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.00	100	2.00	6.72		
Toluene*	<0.050	0.050	04/17/2024	ND	1.98	99.0	2.00	5.17		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	4.56		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	5.99	99.8	6.00	4.43		
Total BTEx	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/17/2024	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	191	95.5	200	2.45	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	185	92.4	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/16/2024  
Reported: 04/17/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/16/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: SW - 24 ( 3.0' ) (H242012-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.00	100	2.00	6.72	
Toluene*	<0.050	0.050	04/17/2024	ND	1.98	99.0	2.00	5.17	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.01	101	2.00	4.56	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	5.99	99.8	6.00	4.43	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/17/2024	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	191	95.5	200	2.45	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	185	92.4	200	0.807	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager




Work Order No: H242012

Page 1 of 3

<div style="text-align: right;">Page <u>1</u> of <u>3</u></div> <div style="text-align: center;"><b>Work Order Comments</b></div>			
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>			
State of Project:			
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>			
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:			

Project Name:		Beowulf 33 State CTB		Turn Around		Parameters		ANALYSIS REQUEST																Preservative Codes							
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush				Pres. Code																		None: NO      DI Water: H <sub>2</sub> O					
Project Location:		Lea County, New Mexico		Due Date:				24 hours																		Cool: Cool      MeOH: Me					
Sampler's Name:		JR																								HCL: HC      HNO <sub>3</sub> : HN					
PO #:																										H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																		H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140																				NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		-0.4																				Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:																						NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-20 (4.5')		4/16/2024				X				Comp		1		X X X																	
CS-21 (4.5')		4/16/2024				X				Comp		1		X X X																	
CS-22 (4.5')		4/16/2024				X				Comp		1		X X X																	
CS-23 (3.0')		4/16/2024				X				Comp		1		X X X																	
CS-24 (3.0')		4/16/2024				X				Comp		1		X X X																	
CS-25 (3.0')		4/16/2024				X				Comp		1		X X X																	
CS-26 (3.0')		4/16/2024				X				Comp		1		X X X																	
CS-27 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-11 (4.5')		4/16/2024				X				Comp		1		X X X																	
SW-12 (4.5')		4/16/2024				X				Comp		1		X X X																	

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-16-24 15:40	Juan Carreras	4/16/24 15:41



Chain of Custody

Work Order No: H242012

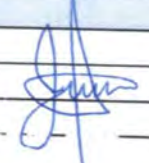
Page 2 of 3

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2026		<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:			24 hours																		Cool: Cool MeOH: Me						
Sampler's Name:		JR																							HCL: HC HNO <sub>3</sub> : HN						
PO #:																								H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140																		H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Correction Factor:																				NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Temperature Reading:		-0.04																		Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Corrected Temperature:																				Zn Acetate+NaOH: Zn					
Total Containers:																										NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
SW-13 (1.5')		4/16/2024				X				Comp		1		X X X																	
SW-14 (4.5')		4/16/2024				X				Comp		1		X X X																	
SW-15 (4.5')		4/16/2024				X				Comp		1		X X X																	
SW-16 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-17 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-18 (1.5')		4/16/2024				X				Comp		1		X X X																	
SW-19 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-20 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-21 (3.0')		4/16/2024				X				Comp		1		X X X																	
SW-22 (3.0')		4/16/2024				X				Comp		1		X X X																	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		4/16/24 15:47		Shawn Cisneros		4/16/24 15:47	



Date/Time



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

April 19, 2024

DEVIN DOMINGUEZ

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/18/24 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 28 (4.5') (H242100-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124	
Total BTX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 29 (4.5') (H242100-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 30 (4.5') (H242100-03)**

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	127	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	25.2	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 31 (4.5') (H242100-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	04/19/2024	ND	464	116	400	3.39	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	37.8	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	2170	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	378	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 32 (4.5') (H242100-05)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	0.295	
Toluene*	<0.050	0.050	04/19/2024	ND	2.11	106	2.00	0.214	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.06	103	2.00	0.365	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.24	104	6.00	0.124	
Total BTX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	46.1	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	2880	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	531	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 187 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 33 (4.5') (H242100-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124		
Total BTX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	202	101	200	2.04	
DRO >C10-C28*	162	10.0	04/19/2024	ND	209	105	200	4.47	
EXT DRO >C28-C36	33.1	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 34 (4.5') (H242100-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 35 (4.5') (H242100-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.08	104	2.00	0.295		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	106	2.00	0.214		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.06	103	2.00	0.365		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.24	104	6.00	0.124		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 36 (4') (H242100-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 37 (4') (H242100-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 38 (4') (H242100-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 39 (4') (H242100-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 40 (4') (H242100-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 41 (4') (H242100-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 25 (4.5') (H242100-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEx	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 26 (4.5') (H242100-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 27 (4.5') (H242100-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 28 (4.5') (H242100-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 29 (4.5') (H242100-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 30 (0.5') (H242100-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEx	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 31 (4.5') (H242100-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 32 (4.5') (H242100-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/19/2024	ND	464	116	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 33 (4.5') (H242100-23)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/18/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	3.39	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 34 (4.5') (H242100-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/19/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2024	ND	480	120	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 35 (4.5') (H242100-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/19/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.88	115	6.00	1.34		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 36 (4.5') (H242100-26)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/19/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.88	115	6.00	1.34		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	194	97.2	200	4.13	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	198	99.1	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 37 (4.5') (H242100-27)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.28	114	2.00	1.62	
Toluene*	<0.050	0.050	04/19/2024	ND	2.20	110	2.00	2.92	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.32	116	2.00	3.18	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.88	115	6.00	1.34	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 38 (4.5') (H242100-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.28	114	2.00	1.62		
Toluene*	<0.050	0.050	04/19/2024	ND	2.20	110	2.00	2.92		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.32	116	2.00	3.18		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.88	115	6.00	1.34		
Total BTEx	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 39 (4') (H242100-29)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48	
Total BTX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 40 (4') (H242100-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 41 (4') (H242100-31)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 42 (4') (H242100-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 43 (4') (H242100-33)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52	
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75	
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16	
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48	
Total BTEX	<0.300	0.300	04/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 44 (4') (H242100-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48		
Total BTEX	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/18/2024  
Reported: 04/19/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 45 (4') (H242100-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2024	ND	2.22	111	2.00	6.52		
Toluene*	<0.050	0.050	04/18/2024	ND	2.11	105	2.00	6.75		
Ethylbenzene*	<0.050	0.050	04/18/2024	ND	2.14	107	2.00	8.16		
Total Xylenes*	<0.150	0.150	04/18/2024	ND	6.38	106	6.00	8.48		
Total BTEx	<0.300	0.300	04/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	191	95.3	200	0.201	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	191	95.6	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager

## Chain of Custody

Work Order No: H242100Page 1 of 4

Page 38 of 41

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST														Preservative Codes					
Project Number:		2026		<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:		24 hours																Cool: Cool MeOH: Me			
Sampler's Name:		JR																				HCL: HC HNO <sub>3</sub> : HN			
PO #:																						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes No		Thermometer ID:		140																NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes No		N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No		N/A		Temperature Reading:		5.7°C																Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															Sample Comments				
CS-28 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-29 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-30 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-31 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-32 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-33 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-34 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-35 (4.5')	4/17/2024		X		Comp	1	X	X	X																
CS-36 (4')	4/17/2024		X		Comp	1	X	X	X																
CS-37 (4')	4/17/2024		X		Comp	1	X	X	X																

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Feliam Vargas</i>	4-18-24 1655	<i>Samara Oda</i>	



## Chain of Custody

Work Order No:

H242100

Page 2 of 4

Page 39 of 41

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eoqresources.com

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

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes							
Beowulf 33 State CTB		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H <sub>2</sub> O							
Project Number: 2026		Due Date: 24 hours														Cool: Cool MeOH: Me							
Project Location: Lea County, New Mexico																HCL: HC HNO <sub>3</sub> : HN							
Sampler's Name: JR																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na							
PO #:																H <sub>3</sub> PO <sub>4</sub> : HP							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No															
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		140														NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
CS-38 (4')		4/17/2024		X		Comp	1	X	X	X													
CS-39 (4')		4/17/2024		X		Comp	1	X	X	X													
CS-40 (4')		4/17/2024		X		Comp	1	X	X	X													
CS-41 (4')		4/17/2024		X		Comp	1	X	X	X													
SW-25 (4.5')		4/17/2024		X		Comp	1	X	X	X													
SW-26 (4.5')		4/17/2024		X		Comp	1	X	X	X													
SW-27 (4.5')		4/17/2024		X		Comp	1	X	X	X													
SW-28 (4.5')		4/17/2024		X		Comp	1	X	X	X													
SW-29 (4.5')		4/17/2024		X		Comp	1	X	X	X													
SW-30 (0.5')		4/17/2024		X		Comp	1	X	X	X													

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

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
Fabian Vargas		4-18-24 1655	Carmona Resources		

# Chain of Custody

Work Order No: H242100

Page 3 of 4

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes			
Beowulf 33 State CTB		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																		None: NO DI Water: H <sub>2</sub> O			
Project Number: 2026																				Cool: Cool MeOH: Me			
Project Location: Lea County, New Mexico		Due Date: 24 hours																		HCL: HC HNO <sub>3</sub> : HN			
Sampler's Name: JR																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
PO #:																				H <sub>3</sub> PO <sub>4</sub> : HP			
<b>SAMPLE RECEIPT</b>		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																		NaHSO <sub>4</sub> : NABIS	
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 140																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																		Zn Acetate+NaOH: Zn			
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:																		NaOH+Ascorbic Acid: SAPC			
Total Containers:		Corrected Temperature:																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments
SW-31 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-32 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-33 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-34 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-35 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-36 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-37 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-38 (4.5')	4/17/2024		X		Comp	1	X	X	X														
SW-39 (4')	4/17/2024		X		Comp	1	X	X	X														
SW-40 (4')	4/17/2024		X		Comp	1	X	X	X														

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Fabian Vargas</i>	4-18-24 1655	<i>Immacula Shakie</i>	



# Chain of Custody

Work Order No: H24 2100

Page 4 of 4

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes						
Beowulf 33 State CTB		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																		None: NO DI Water: H <sub>2</sub> O						
Project Number: 2026		Due Date: 24 hours																		Cool: Cool MeOH: Me						
Project Location: Lea County, New Mexico																				HCL: HC HNO <sub>3</sub> : HN						
Sampler's Name: JR																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na						
PO #:																				H <sub>3</sub> PO <sub>4</sub> : HP						
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID: 140																		NaHSO <sub>4</sub> : NABIS		
Received Intact: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor: N/A		Temperature Reading:		Corrected Temperature:																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																						Zn Acetate+NaOH: Zn		
Total Containers:																								NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments		
SW-41 (4')		4/17/2024		X		Comp	1	X	X	X																
SW-42 (4')		4/17/2024		X		Comp	1	X	X	X																
SW-43 (4')		4/17/2024		X		Comp	1	X	X	X																
SW-44 (4')		4/17/2024		X		Comp	1	X	X	X																
SW-45 (4')		4/17/2024		X		Comp	1	X	X	X																

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

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
Fabian Vargas		4-18-24 1655	Carmona		



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

April 22, 2024

DEVIN DOMINGUEZ

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/19/24 15:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 42 (2.5') (H242118-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 43 (2.5') (H242118-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 44 (2.5') (H242118-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 45 (2.5') (H242118-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 46 (2.5') (H242118-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 47 (2.5') (H242118-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 48 (2.5') (H242118-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 49 (2.5') (H242118-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	206	103	200	4.82	
DRO >C10-C28*	11.1	10.0	04/20/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 50 (2.5') (H242118-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 51 (2.5') (H242118-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 52 (2.5') (H242118-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 53 (2.5') (H242118-12)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51	
Total BTX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 54 (2.5') (H242118-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 55 (2.5') (H242118-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 56 (2.5') (H242118-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 57 (2.5') (H242118-16)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51	
Total BTX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 58 (2.5') (H242118-17)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/19/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.50	108	6.00	5.51		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 59 (2.5') (H242118-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 60 (2.5') (H242118-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51		
Total BTEX	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 61 (2.5') (H242118-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 62 (2.5') (H242118-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51		
Total BTEX	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 63 (2.5') (H242118-22)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 46 (1.5') (H242118-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51		
Total BTEx	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 47 (2.5') (H242118-24)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 48 (2.5') (H242118-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70		
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51		
Total BTEx	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 49 (2.5') (H242118-26)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 50 (0.5') (H242118-27)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 51 (2.5') (H242118-28)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	178	89.1	200	4.66	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	183	91.4	200	5.16	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 52 (2.5') (H242118-29)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 53 (2') (H242118-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	1.95	97.7	2.00	8.70	
Toluene*	<0.050	0.050	04/20/2024	ND	2.07	103	2.00	1.62	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	5.65	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.50	108	6.00	5.51	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 54 (2.5') (H242118-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37		
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88		
Total BTEx	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 55 (2.5') (H242118-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37		
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88		
Total BTEX	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 56 (2.5') (H242118-33)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 57 (2') (H242118-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTEX	<0.300	0.300	04/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 58 (2.5') (H242118-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37		
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88		
Total BTEX	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 59 (2.5') (H242118-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 60 (2.5') (H242118-37)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 61 (2.5') (H242118-38)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37		
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15		
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88		
Total BTEx	<0.300	0.300	04/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 62 (2.5') (H242118-39)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 63 (2.5') (H242118-40)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 64 (2.5') (H242118-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/19/2024  
Reported: 04/22/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/19/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 65 (2.5') (H242118-42)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2024	ND	2.18	109	2.00	3.37	
Toluene*	<0.050	0.050	04/20/2024	ND	2.11	106	2.00	3.15	
Ethylbenzene*	<0.050	0.050	04/20/2024	ND	2.06	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/20/2024	ND	6.03	100	6.00	2.88	
Total BTEX	<0.300	0.300	04/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	192	96.0	200	2.77	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	196	98.0	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

Work Order No: H24218

Page 1 of 5

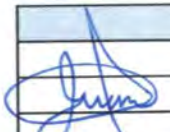
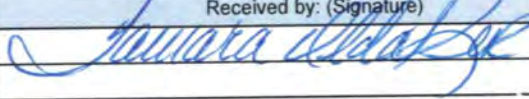
Page 45 of 49

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd.Wells@eogresources.com

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																			None: NO DI Water: H <sub>2</sub> O		
Project Location:		Due Date:		Parameters																	Cool: Cool MeOH: Me		
Sampler's Name:		24 hours																			HCL: HC HNO <sub>3</sub> : HN		
PO #:																					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECEIPT		Temp Blank:																			H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:		Yes No																			NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:		Yes No N/A																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No N/A																		Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments
CS-42 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-43 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-44 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-45 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-46 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-47 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-48 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-49 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-50 (2.5')	4/19/2024		X		Comp	1	X	X	X														
CS-51 (2.5')	4/19/2024		X		Comp	1	X	X	X														

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4/19/24 1512		



Chain of Custody

Work Order No: H242118

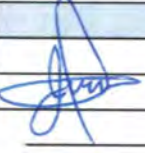
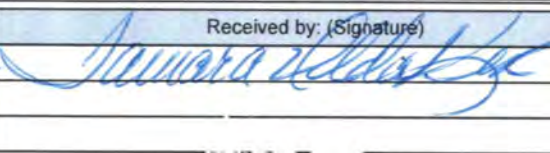
Page 2 of 5

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea County, New Mexico		Due Date:		24 hours																Cool: Cool MeOH: Me					
Sampler's Name:		JR																				HCL: HC HNO <sub>3</sub> : HN					
PO #:																						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140																NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		5.8c																Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-52 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-53 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-54 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-55 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-56 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-57 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-58 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-59 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-60 (2.5')		4/19/2024				X				Comp		1		X X X													
CS-61 (2.5')		4/19/2024				X				Comp		1		X X X													

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-19-24 1512		

Chain of Custody

Work Order No: H242118

Page 3 of 5

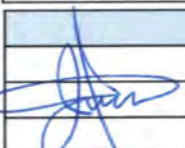
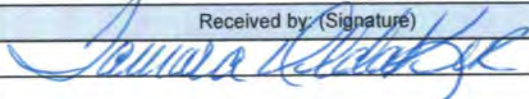
Page 47 of 49

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEx 8021B TPH 8015M ( GRO + DRO + MRO ) Chloride 4500																None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea County, New Mexico		Due Date: 24 hours																				Cool: Cool MeOH: Me							
Sampler's Name:		JR																						HCL: HC HNO <sub>3</sub> : HN							
PO #:																								H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		Yes No		Thermometer ID:																				NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No		Correction Factor:																				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No		Temperature Reading:																				Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-62 (2.5')		4/19/2024				X				Comp		1		X X X																	
CS-63 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-46 (1.5')		4/19/2024				X				Comp		1		X X X																	
SW-47 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-48 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-49 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-50 (0.5')		4/19/2024				X				Comp		1		X X X																	
SW-51 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-52 (2.5')		4/19/2024				X				Comp		1		X X X																	
SW-53 (2')		4/19/2024				X				Comp		1		X X X																	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-19-24 1512		



# Chain of Custody

Work Order No: H2H 2118

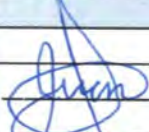

Page 4 of 5

Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eogresources.com

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

Project Name:		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST										Preservative Codes							
Project Number:		2026		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code												None: NO DI Water: H <sub>2</sub> O					
Project Location		Lea County, New Mexico		Due Date:		24 hours														Cool: Cool MeOH: Me			
Sampler's Name:		JR																		HCL: HC HNO <sub>3</sub> : HN			
PO #:																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140														NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		5.8°C														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments					
SW-54 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-55 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-56 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-57 (2')		4/19/2024		X		Comp	1	X	X	X													
SW-58 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-59 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-60 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-61 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-62 (2.5')		4/19/2024		X		Comp	1	X	X	X													
SW-63 (2.5')		4/19/2024		X		Comp	1	X	X	X													

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

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
		4-19-24 1512			

## Chain of Custody

Work Order No: H242118

Page 5 of 5



Project Manager:	Devin Dominguez	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-701-5475	Email:	Todd_Wells@eoqresources.com

Page 5 of 5

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> rownfields <input type="checkbox"/> RC <input type="checkbox"/> \$perfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

[illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1-19-24 1512		





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

April 23, 2024

DEVIN DOMINGUEZ

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: BEOWULF 33 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/22/24 15:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/22/2024  
Reported: 04/23/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/22/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 31 (5') (H242128-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2024	ND	2.04	102	2.00	0.0567	
Toluene*	<0.050	0.050	04/22/2024	ND	1.99	99.7	2.00	0.118	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.97	98.3	2.00	0.111	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.76	96.1	6.00	0.0925	
Total BTEX	<0.300	0.300	04/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	04/23/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2024	ND	195	97.4	200	1.54	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	208	104	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

CARMONA RESOURCES  
DEVIN DOMINGUEZ  
310 W WALL ST, SUITE 500  
MIDLAND TX, 79701  
Fax To:

Received: 04/22/2024  
Reported: 04/23/2024  
Project Name: BEOWULF 33 STATE CTB  
Project Number: 2026  
Project Location: EOG - LEA CO, NEW MEXICO

Sampling Date: 04/22/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: CS - 32 (5') (H242128-02)**

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2024	ND	2.04	102	2.00	0.0567	
Toluene*	<0.050	0.050	04/22/2024	ND	1.99	99.7	2.00	0.118	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.97	98.3	2.00	0.111	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.76	96.1	6.00	0.0925	
Total BTEX	<0.300	0.300	04/22/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/23/2024	ND	448	112	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2024	ND	195	97.4	200	1.54	
DRO >C10-C28*	18.7	10.0	04/22/2024	ND	208	104	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

---

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Celey D. Keene, Lab Director/Quality Manager





## APPENDIX F

CARMONA RESOURCES



Soil Map—Lea County, New Mexico



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

4/25/2024  
Page 1 of 3

## Soil Map—Lea County, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.





Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	0.7	45.9%
PU	Pyote and Maljamar fine sands	0.8	54.1%
Totals for Area of Interest		1.4	100.0%

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

## Lea County, New Mexico

### PU—Pyote and Maljamar fine sands

#### Map Unit Setting

*National map unit symbol:* dmqq

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 12 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent

*Maljamar and similar soils:* 44 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Pyote

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 30 inches:* fine sand

*Bt - 30 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e





Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Description of Maljamar

### Setting

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Sandy eolian deposits derived from sedimentary rock*

### Typical profile

*A - 0 to 24 inches: fine sand*  
*Bt - 24 to 50 inches: sandy clay loam*  
*Bkm - 50 to 60 inches: cemented material*

### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 40 to 60 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 5 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Low (about 5.6 inches)*

### Interpretive groups

*Land capability classification (irrigated): 6e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Minor Components

### Kermit

*Percent of map unit: 10 percent*  
*Ecological site: R070BC022NM - Sandhills*

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

---

## Lea County, New Mexico

### BE—Berino-Cacique loamy fine sands association

#### Map Unit Setting

*National map unit symbol:* dmpd

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 13 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 50 percent

*Cacique and similar soils:* 40 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Berino

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

##### Typical profile

*A - 0 to 6 inches:* loamy fine sand

*Btk - 6 to 60 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

---

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7c

*Hydrologic Soil Group:* B

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

**Description of Cacique****Setting**

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 12 inches:* loamy fine sand

*Bt - 12 to 28 inches:* sandy clay loam

*Bkm - 28 to 38 inches:* cemented material

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 20 to 40 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Gypsum, maximum content:* 1 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 3.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7c

*Hydrologic Soil Group:* C

*Ecological site:* R070BD004NM - Sandy

*Hydric soil rating:* No

**Minor Components****Maljamar**

*Percent of map unit:* 6 percent

*Ecological site:* R077CY028TX - Limy Upland 16-21" PZ

*Hydric soil rating:* No

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

---

**Palomas**

*Percent of map unit:* 4 percent

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

**Data Source Information**

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

(28)

BLM SERIAL #:

COMPANY REFERENCE:

### 3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed ( <i>Sporobolus cryptandrus</i> )	1.0
Sand love grass ( <i>Eragrostis trichodes</i> )	1.0
Plains bristlegrass ( <i>Setaria macrostachya</i> )	2.0

\*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 342891

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:
	7377
	Action Number:
	342891
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313133324
Incident Name	NAPP2313133324 BEOWULF RISER @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BEOWULF RISER
Date Release Discovered	04/26/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Gasket   Produced Water   Released: 80 BBL   Recovered: 30 BBL   Lost: 50 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 2

Action 342891

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:	7377
	Action Number:	342891
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 05/10/2024
--	--

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 3

Action 342891

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:
	7377
	Action Number: 342891
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride	(EPA 300.0 or SM4500 Cl B)	4800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	18.7
GRO+DRO	(EPA SW-846 Method 8015M)	18.7
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	04/03/2024
On what date will (or did) the final sampling or liner inspection occur	04/08/2024
On what date will (or was) the remediation complete(d)	04/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	17720
What is the estimated volume (in cubic yards) that will be reclaimed	3760
What is the estimated surface area (in square feet) that will be remediated	26086
What is the estimated volume (in cubic yards) that will be remediated	3760

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.

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 4

Action 342891

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:	7377
	Action Number:	342891
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(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	OWL LANDFILL JAL [fJEG1635837366]
<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)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 05/10/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5  
  
Action 342891

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342891
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 6

Action 342891

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:
	7377
	Action Number:
	342891
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	334412
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/19/2024
What was the (estimated) number of samples that were to be gathered	37
What was the sampling surface area in square feet	8259

**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	26086
What was the total volume (cubic yards) remediated	3760
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	17720
What was the total volume (in cubic yards) reclaimed	3760
Summarize any additional remediation activities not included by answers (above)	NA

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 05/10/2024
--	--



**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 7

Action 342891

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID:	7377
	Action Number:	342891
	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	17720
What was the total volume of replacement material (in cubic yards) for this site	3760
<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 reseeding commence(d)	04/30/2024
Summarize any additional reclamation activities not included by answers (above)	The pasture area was backfilled and then reseeded with NMSLO Sandy Loam Mixture
<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 reseeding 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: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 05/10/2024

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 8  
  
Action 342891

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342891
	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>	

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 342891

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342891
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/31/2024